

New Directions

A Level Edexcel Set Work Analysis

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Contents

Product Support from ZigZag Education	
Terms and Conditions of Use	
Teacher's Introduction	
Students' Introduction	
Petals for Violoncello and Live Electronics Kaija Saariaho (b. 1952)	
General Context and Background	3
Analytical Commentary	9
General Summary	16
Le Sacre du Printemps – Igor Stravinsky (1882–1971)	
General Context and Background	19
The Scenario and Narrative	22
Analytical Commentary	23
Making Comparisons	41
Notes on the Examination: Section A	45
Sample Exam-style Questions for Section A	46
Notes on the Examination: Section B	56
Sample Exam-style Questions for Section B	57
Supplementary Dictation Exercises	58
Answers to Supplementary Dictation Exercises	61
Correct-the-melody Questions (AS only)	65
Answers to Correct-the-melody Questions (AS only)	70
Appendix 1	72
Responses to Questions in Section A	72
Appendix 2	78
Glossary of Key Terms Used in the Text and Useful for Other Works	78
Appendix 3	85
YouTube-ography:	85
Appendix 4	85
Wider Listening	85
Bibliography	86

Teacher's Introduction

Any new specification presents particular challenges for both teachers and students primarily as it is untried over time. The *New Directions* guide seeks to:

- ✓ provide a pathway through the set music
- ✓ suggest avenues which supplement the set works
- ✓ provide activities to encourage engagement with the music

Rememberl

Always check the exam board website for new information, including changes to the specification and sample assessment material.

The core of the guide is analysis of the set works, which provides a foundation for teaching and learning at both AS and A Level.

The set works and extracts are diverse and the requirements to relate other works to them will necessarily take many listening hours. Students should be keenly aware of that from the beginning.

In addition to analyses of the set works, questions and answers based on both sections of the examination, and brief commentaries on wider listening suggestions together with information which can support the learning are also included. General summaries of each of the works are given at the end of each analysis. Although placed at the end of the analyses, the summaries may be used as starting points.

An important part of the course is to become conversant with a wide range of technical, critical and aesthetic language to discuss and evaluate the works. Technical terms are given in the glossary and attention to them is indicated by the use of bold imprint in the text. Regular opportunities for discussing the works with others is a key activity for acquiring the language of analysis, evaluation and criticism as rewarded in the examination.



For your convenience, links to the websites required for activities have been provided on ZigZag Education's website at zzed.uk/7208 Students might find this helpful for accessing the websites rather than typing in the web address each time. As customers report any broken links, we will update this page. If you find that any of the links are not working, please inform us by email to music@zigzageducation.co.uk

P Baker, July 2021

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Students' Introduction

New Directions is a guide to the music you have to listen to, understand and be at the examination in question. For the AS exam, you have to study the extracts from the complete A Level, you will also study three movements from The Rite of Stravinsky.

Your main tasks are:

- ✓ Know the set work very well¹
- ✓ Discuss the works using the relevant technical language
- ✓ Understand the music by analysing it and know your around the scores.
- ✓ Be able to locate particular parts of the musician here in git often
- ✓ Become familiar with other music which with the set pieces
- ✓ Practise writing about the make it is a strical way
- ✓ Read what other pe → Aritten about the music
- Always the and recording as your primary sources and assess for about assess for



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That means knowing what is in the scores, understanding any technical questions and terminal what the music sounds like, understanding the historical and cultural contexts of the works are

Petals for Violoncello and Live E Kaija Saariaho (b. 1952)

I was born in Helsinki, Finland in 1952. One of my earliest memories is listening to music 'under my pillow' as I slept; unsurprisingly, much of my music is dreamlike. I have a special interest in using colour (timbre) and texture in my music although it also has melodic and harmonic interest. I studied in Paris at IRCAM where I developed my interest in electronics and how to manipulate sounds and transform them. Among my works are Ver! lead no (1984) for orchestra and taped recomplete an opera called L'Amour de loin harmonic interest is in the use of electronic. The ansformational processes of acoustic instruments.



General Context and Background

The composer Kaija Saariaho was born in Helsinki, Finland in 1952. She studied a with the *avant garde* composers Brian Fernyhough and Klaus Huber. She learned tape, live electronics and computer-assisted composition at the IRCAM in Paris.²

As with many works which source electronics, emphasis is often on **textural trans** techniques of **sonic transformation** rather than the elements of melody, harmor conceived. Before working at IRCAM, Saariaho had been influenced by a trend k. That is, the use of computer-aided devices which analyse scientifically the acoust and harmonics which can then be used in compositions. Petals is a relatively she electronics (although the latter is marked 'optional' on the score published in 198 the cello and are transformed electronically, the work belongs to the genre of electronically, it is like *musique spectrale* or Spectralism.

Saariaho's work also includes opera such as *L'amour de loin* and *Adriana Mater* a Iranian (Persian) poet Rumi in 2012 in which the poems are presented on prerecorchestra. *True Fire* song cycle was premiered in 2015, the opera *Only the Soung* March 2016 at the Dutch National Opera and the harp concerto *Trans* in August

Since Saariaho's technique uses electronics, she shows the influence of compose and Pierre BoulezLike Stravinsky, her music is eclectic, as reflected in the use of transformations.

Saariaho's use of electronic sound is also is a first a style known as 'musique' natural sounds, or, more precisely and form any source other than a musical coined in 1948 by Pierre Science, as an engineer, he soon used the current recording (cutting a pour up g) and other prototype electronical and electronic movement and pour un homme seul, for example, is entirely derived from movement and early electronic synthesiser called a dynaphone. Varèse's Poème électronic heard through an array of 400 speakers installed for the Brussels World Fair in 19 the architect Le Corbusier and engineer, composer and mathematician, Xenakis.



Institut de Recherche et Coordination Acoustique/Musique (Institute for Research and Coordination Paris near the Pompidou Centre. It was founded by Pierre Boulez (died 2016).

³ Hear, if possible, *Graal théâtre* for violin and orchestra or ensemble (1994/97).

Given the technology of the time, the work of Varèse is a huge achievement and the composer is just one of many whose shoulders a composer such as Saariaho rests upon. By the time the 1970s arrived, the near-division which grew between those favouring concrete sounds and those favouring electronic or synthesised sounds was being resolved by the work of Jean-Claude Risset (b. 1938), who was the first computer *chef* at the newly founded IRCAM under Pierre Boulez (1925–2016). Risset researched the possibilities of uniting recorded and acoustic sounds through their manipulation electronically. The distinction between collages of 'real sound' in *musique concréte* and music produced in the tape studio became integration

Saariaho's muinternationally unfamiliar to Stravinsky is Saariaho's muintrough a num Some are liste advisable to simply hearing performances are of the set discussion of

Risset's composition Fall from Million overtone formations of instrumental timbres as heard. The head composers developed the idea first explored by Riss and Tristan (b. 1947) used computer analysis of timbre and its transformations to be consumer to be consume

The compositional emphasis is shifted to timbre and the overtones generated from become the core material of interest in *musique spectrale*. Ideas of melody, melos sidelined in favour of a concentration on the available possibilities of orchestral convertones. Given the focus on timbre provides a developmental link with the ear particular certain pieces of Claude Debussy, Kaija Saariaho can be seen as a later

- http://www.musicsalesclassical.com/composer/performance
- † http://saariaho.org/gallery/performances/
- thtps://www.youtube.com/watch?v=3jcPCXQv8Jo
- (The performance is on Albany TROY726 (2004)
- 116689901 https://vimeo.com/116689901

Petals for Violoncello and Live Electronics Kaija Saariaho: Complete Cello Works Track 1. Duration: 10:42 Aeon AECD 0637

The score of *Petals* includes some visually conventor of the finite components. Using the regimal befollowed, but a different second would not be exactly the same. Sound pitched notes (although the appresent) as well as being a range of electronical cello, as the first progresses. There is also a degree of **indeterminacy**, at two or three lent interpretations, and from the style of notations on the score

In the composer's brief programme note for a performance, Saariaho explains the to complete but followed a long period of subconscious preparation. The referemusic seems to conjure dream worlds or levels of consciousness and experience. The composer explains that the work uses 'opposite elements' comprising 'fragile birth to more energetic events with clear rhythmic and melodic character. These



Based on the aftermath of the bombing of Hiroshima

⁵ See Taruskin Music in the Late Twentieth Century, page 500

pass through different transformations and finally merge back to not the less interferences here are to colour (timbre) which is an element that changes through also about the interface of timbre and textures. Although there are melodic ideal although there are sonic combinations, there is no harmony as such; although the discreet passages of 'a particular rhythm' or 'motif'. The emphasis has moved an style.

Any analysis of music such as *Petals* requires different language from that available eighteenth, nineteenth or parts of the twentieth centuries: here, compact terms 'modulation' or 'tonality', to describe processes and techniques, are not wholly a language has to be found. With every change of aesthetic direction in the arts gethe language of criticism has had to be renewed, and, often in fore that process new music or art are sometimes outdated and every style evaluate it: the reactions of sections of the section at the premiere of *The Rite* the need to absorb the newness of the section which is connected with the strugglethe work and sensations of the section are series.

Therefore, ming familiar with *Petals*, it is recommended to hear several or order to acquara wider sense of the style.

Technical

Petals has a set of performance instructions relating to both the cello and the eleindicates that the electronics are 'optional', although the work would be very different

electronic version uses a Max patch including reverberation and harmonisers designed to alter the sounds from the cello, which has its own microphone. A computer can be used using external reverberation and harmoniser processors (as for the original conception). By employing such technologies, it is necessary for a sound engineer with musical training to be available to adjust levels according to the instructions in the score. The nature of a musical performance changes, therefore, with works such as *Petals* since no longer is it only the soloist performing, but also a sound engineer.⁷

Part of the 'new language' referred to above is purely technical. there are concise instructions and specifications attached with the score. Written beneath the familiar musical stave are the directions for the use of a **harmoniser** and a **reverb** shown simply as **R** and **H**. The directions of each device run parallel with the music on the stave itself can be read.

Fold-back refers to as some of on-stage amplifiers designed to allow the auclimanters.

It is essection or all stage musical work and, in this case, to allow the cell playing as well as the various electronic changes.

The 'max s MSP, which work carn the 1980 also bases devised be a physical however, form as so MAX MSI sounds of



⁶ http://www.musicsalesclassical.com/composer/work/11107

⁷ A performance of ...explosante fixe... by Pierre Boulez requires several musical engineers to

The effect of the **harmoniser** is to delay by milliseconds the sounds from the cello as well as raising or lowering the pitch returned to the listener. the sounds in *Petals* are transformed electronically. A harmoniser may also be used to generate several different sounds and **harmonics** derived from the **fundamental** to form chords.

The reverb creates different ambience. The overall effect of sounds is a

The **HARMONISER** is a digital device which allows changes of pitch to be can be combined with (harmonise) the original acoustically produced sour

product of where it is heard so that performing in a crowlea es different overall small concert room; performing in a large cathod all of the different overall sour living room. The difference between the scale quality is the ambience. The part performance and Saariaho of the performance instructions relating to it. She is concerned has any changes which are engineered should be gradual to the round image (sic) and cautions also against distribute or being too loud: 'The general level should be set to be rather loud, nevertheless not painfully so!'8

The instructions for the harmoniser are set out clearly for realisation by the sound engineer. The transposition of the sounds from the cello (the pitch be at about 50 cents, which equals a quarter-tone (half a semitone). However, the sometimes so that the result would create 1/8th tones when the harmoniser is set

The reverb time is set at 2.5" delay and the mixing levels change throughout the Setting the reverb times is largely a matter of making adjustments to a fader to could but depending on the ambience of the venue and the resultant sounds from each indicated as percentages throughout the score and increase from nothing ('a nient 50% towards the end where the volume gradually reduces a niente.

Linked with the harmoniser and the reverb is a mixer desk with which the engine microphone, which is positioned as close to the cello as possible, is not used to a sounds through the harmoniser and reverb to the mixer. The transmission circuit diagrammatically in the score.

In summary, the performance of Petals comprises four different layers of sound

- The cello sounds (as an acoustic instrument)
- Ambient sounds (concert space)
- Reverb sounds
- 'Harmonised' sounds

As with stage performances, the cellinic average have a small amplifier directed at they can hear the engineered and indirected by way of fold-back.





Op. cit. – from the composer's programme note

Notation

Although the score contains careful instructions for the cellist as well as the engine clarify the use of the notation, which is partly **graphic** and partly familiar stave no begin with explanations of the use of **vibrato** and **tremolo**.

Vibrato is a method of note production particular to string instruments and the learning a string instrument, the finger positions must be motionless, and concerproduction the priority. However, once the player is able to create the notes commade warmer by gently oscillating the finger on the fingerboard to create a subtribute.

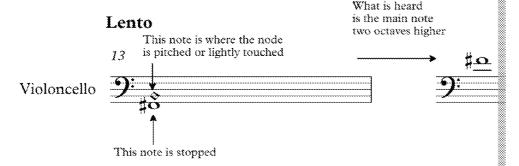
Tremolo is produced on a string instrument by the rapid d-down movement often made from the end or the point of the bow

Reading from the top of the page of the pa

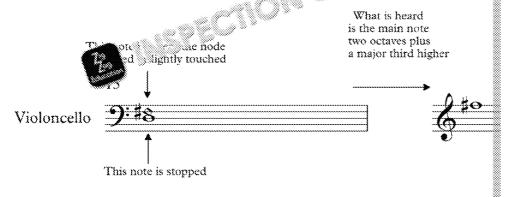
Other graphic symbols are used to indicate, for example, 'highest note possible', to the highest position on the E string to a pitch not indicated as ledger lines; the tones higher or lower, for *glissandos* and for *harmonics*.

Glissando is achieved on the cello by starting from one note and sliding the finge in a smooth manner. The effect is like a scale but without each degree being presented in the cello by starting from one note and sliding the finge in a smooth manner.

Harmonics are pitches which are generated from any given sound and form that harmonics are used and are indicated like this:



This is the most common form of artificial harmonics but San aho also uses harm point where the finger touches the string) is a third at one fundamental. Tou above results in a pitch two octaves plus a major ship a migher.⁹



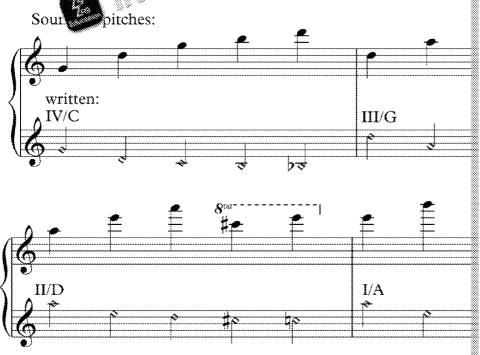
Touching the node a minor third higher produces two octaves and a fifth higher and touching higher, but Saariaho does not use these artificial harmonics in the work.



Harmonics are not used on their own in *Petals* but with the transformative elections sounds.

Acoustically, harmonics form any sound that we can hear and may be compared white light is formed from every frequency of colour. Put through a prism, white constituent colours (the rainbow). Saariaho's association with the so-called **Spectharmonics** as the constituent 'colours' derived from a single pitch. The note C, for **fundamental** pitch; we hear the fundamental in normal circumstances but it can harmonics. It is through the use of artificial harmonics on the cello that the pit exploited in the work.

A diamond note head is used by some composers to indicate in artificial harmonindicate where to touch the string without pressing a live on the fingerboard (the single diamond note indicates a touch on the same open string below the pitch harmonic in bar 1, indicated by a live of the note F, would be a touch at the Some scores show the note and as well as the diamond harmonic. The Restrings starting on the livest C as IV to the highest A, which is, therefore, I.



Other techniques used are indicated as **sul ponticello** (S.P.) with the cautionary **sul tasto**. The instruction to play *sul ponticello* is to play near the bridge of the cethereal sound; *sul tasto* indicates to play on, or close to be inger board, which whispery effect. Again, the use of these quite common frects in conjunction wis sounds completely.

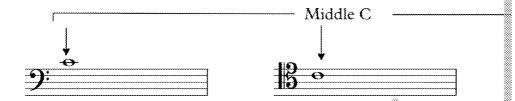
Transforming the cello' and anderlies all of the new notations and instruction Saariaho us the particular ways of using the bow. The and include, ample, an indication to 'add bow pressure to produce a scratch pitch is totally replaced by noise'; another graphic suggests '... a soft noise, windlessuggest '... winds-like murmur...' (E.F. or 'estramemente flautando') through charstrings; similarly, E.F. suggests a scratching sound.

Cello music generally, and *Petals* in particular, uses three different clefs – bass, t



Even Pythagoras had an inkling about harmonics from his experiments with the lengths of strike

The design shown here is based on the recording on AEON/AECD0637, performed by Alexis Descharmes. The composer requests that each section and Descharmes complies but also extends that timing.



In terms of cello technique, *Petals* explores a range conjunction with the electronics, creating was a san be regarded as a new instrument.

Analytical Contary

The compose elements' comprising 'fragil birth to more energetic events with clear rhythmic and melodic character. These pass through different transformations and finally merge back to less dynamic to intensive filigration'. 11

TASK

Using this template, listen carefully to the recording and record the section hear them.

Are they the same as the one above?

A:	1-3	
8:	47	
<i>C:</i>	8-9	
D:	10-12	
E:	13–16	
F:	17–21	
G:	21–27	38
H:	<i>27</i> – <i>30</i>	

As a starting point, the poser's programme note quoted above provides an of the work. In the sting ideas are presented: the 'fragile coloristic passages' of rhythmic an edic character'. Also, there is the idea of 'different transformation'. The ideas of musical and being fragile and then more energetic and rhythmical provide entries into he



Op. cit. – from the composer's programme note

The composer uses this term to describe the various melodic elaborations which arise from to jewellery or lacework is a technique of decoration involving often-elaborate curves and swirls characteristic achieved through elaborated chords, variation and different forms of embellish filigree of sound. Indeed, the term 'Baroque' originates from the Portuguese word 'pérola ba or form. Petals is not, of course, Baroque, but it does have decorative features.

In part, schematic plan of the score seems to show a design which exactly match fragility to something more settled. The opening section 1–3 contrasts the subsection some more at 8–9; the more conventionally notated section 10–12 represently through the price of the way similar to 17–21, while the remaining section is a braintensive filigration. The general design of the work might be pictured as follows:

The sections identified for this commentary are merely convenient divisions but by its distinctly 'non-sectional' quality like waves of sound merging and fading in volcano. Divisions given here for the purposes of discussion often show distinct the change in bar 7 or bar 13, and should be noted when listening.

Bars 1–3 (Section A):

The music is *senza misura* ¹³ ('without measure' / rowine 3 mature) and emerges single diamond head note indicating a nature. As the cello rises slowly to through 40% and this level is main and to be a jughout the first section and to the endagain out of nothing) to 50%, a period so changes the acoustic sound by about a distribution of the section where the attack and time increased by source as indicated by the thick black line notation. Towards the acoustic G, startilled, undergoes pitch changes from H gradually diminished and response to the section where the attack and time increased by the thick black line notation.

Throughout, the dynamics of the cello interact with the changing effects of **R** and timbre transformations. The section can be characterised as one of the 'fragile c' the composer's programme note. The glissando between the harmonic on F and transformations of the sounds used.

Bars 4-7 (Section B):

This section lasts approximately the same time as the first, providing a temporal different from the first section and has '... clear rhythmic and melodic character'. from **Lento** to crotchet=60mm which gives the passage rhythmic definition. The microtones or quarter-tones together with accents and staccato markings for ear There, the playing is more *legato* and is shaped with a pattern of dynamics rising and **f**. Generally, the passage up to about the middle of bar 7 is, in conventional but transformed through **R** at 40%.

lowers a note by a quarter-tone

raises a note up a Qua

Violoncello





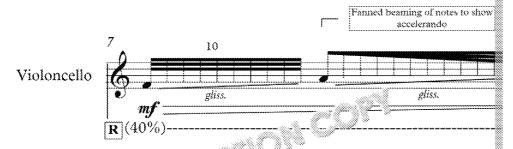
With R time set at 2':5", the delayed overlap of the cello sounds is quite wide but of overlapping waves or like a curtain folding over itself. 14



Literally meaning 'without measure' but generally understood as meaning 'without a time sign

¹⁴ Cf. perhaps '... pli selon pli...' ('fold on fold') by Boulez

In the current recording, the cellist distinctly articulates each tuplet of 10, which composer's own conception that the section is more clearly defined rhythmically tuplet groups as though releasing them into free musical space with a life of their although nothing ever closes in the work but merges from one to another — with diminuendo on A about halfway into bar 7. The notation is in a form that becam least 50 years before 1988 when *Petals* was composed.¹⁵



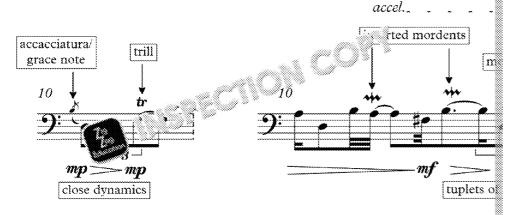
Bars 8-9 (Section C

Just as the finance of marked by a clear and relatively untransformed G, the approach to acoustic B tremolo about halfway into bar 7 (above). Again, a semitone much like the run of microtones which precede it. At the top of the the high C ornamented first by a natural harmonic on D (octave lower than written high C as a harmonic. The H increases by 50% so transforming the whole with halfway point of bar 8, another slow glissando takes the sound down to a trilled diminuendo to ppp. At the beginning of bar 9, the D harmonic becomes natural a harmonic to the natural sound (from the cello itself) is reflected by the change frontural A.

Bars 8–9 are a form of inversion where the D harmonic sounds first above the higher than the same technically demanding and require the cellist to have techniques which are central to the definition of the style.

Bars 10-12 (Section D):

This has the 'clear rhythmic and melodic character' identified by Saariaho, expression notation including trills, mordents, inverted mordents, glissando and accacciatur found in Baroque music and later classical styles, but here they are heard within due to the transformations of electronics. Also, however, the passage is subject small changes in the dynamics and to subtle rhythmic groupings, such as the tup of bar 12 as well as pressure bowing in bar 11. The R is constant 30% but rises to 13 (which marks the beginning of the next section).

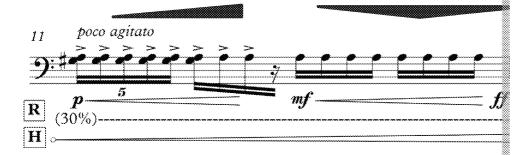


The passage in the first half of bar 11 shows a typical concentration of notes, bow contrasting changes in dynamics, manner of attack and electronic transformation short space of musical time.



¹⁵ The electronic technology has also been superseded.

¹⁶ The term 'microtone' refers to any interval smaller than a semitone in equal-tempered tuning



Saariaho's use of the word 'noise' suggests, perhaps, that she distinguishes between sounds or is prepared to integrate what are generally thought of as noises into a

Bars 13-16 (Section E):

The section truly begins midway into bar 12 he into marking.

The sound concentrates a lambda armonics, some glissandos and bow effects It can sound the the work and is characterised by its quietness and resection before piligration' is revealed largely by means of the electronic trais on timbre. In mough there are dissonances within this section arising from the reverb, the harmonics as well as the spatial distribution of the notes soften their arises from the increase of bow pressure as indicated by the black graphic notation and gentle. Pitch distribution is complemented by the frequent use of open 5^{ths} although the intervals narrow towards the end of the section in preparation for the 40% R and H 20% expanding to 50%) that follows.

The chords are traced diagrammatically in the next example and show the sound harmonics, although not the true sounds resulting from the electronic transform



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Bars 17-21 (Section F):

The third section of relative 'clear rhythmic and melodic character' begins after colouring at bar 17. The bar is treated only through R. The C string is plucked to recordings although there is no pizzicato marking in the scores; the harmonics all different octaves carried over from the previous sections as also is the Ch. Both the anchors and limiting markers of the freedom explored through the writing overable recycled, although never in exactly the same way. For instance, in the previous 13, the B down to the Eb just before the Lento is echoed a little later together with transformations and harmonic in bar 14:



The increase The Lucy Sy of repetition in this section is marked by the C and F# has semitones of A# traceable from section two of the work (bar 4). The though the initial idea and develops it, like a motif in earlier styles, but over relatively broken of micro-development. 17

The figure begins with the *pizzicato* open C string with **R** at 40% and is punctuate articulated by a fast *crescendo* to *mf*.



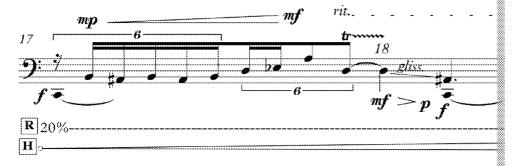
The semitone motif repeats as a different rhythm featuring dotted notes which for development includes a *crescendo*, but, more importantly, the approach to the Foreverb is decreasing at the same time as the motif is extended and crescendos from



In the third micro-development, the parties of C and F# frame the beginning expand with reverb now the parties of C and F# frame the beginning the beginning and a sample of the F# harmonic with increasing R to 40% and $\frac{1}{2}$



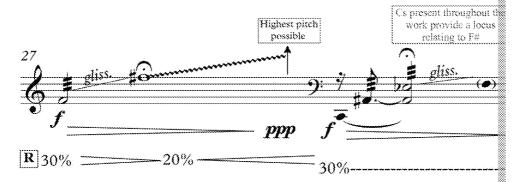
¹⁷ I coin the term to contrast it with classical development processes which can take place over



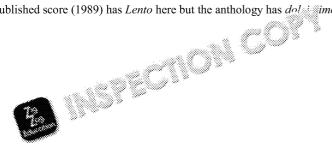
The final micro-development includes more interval expansion with decorative a the Bb glissandos up to the B and a return to the initial motif closing on the F\$ lo gestures between bar 20 and the first part of bar 21 stantaintial B/F# feature versions of the rising phrase, punctuated similarly with the harmonics and ending sounds on the transformed harmonic of this proof passage take on an almost vo like the section of slow harma from par 13. The passages produced from techniques called 'noise' buthe () postr, are close to white noise typically electronically white light Larerracted into its constituent frequencies as light frequencies and its constituent frequencies as light frequencies and its constituent frequencies

Bars 21–27 (Section G – Lento):

In terms of the notation, this section is the most free, the melodic contours being stems without indications of time value other than to be played as fast as possib bow pressures and extreme dynamic contrasts are all present; harmonics, howe harmonic on the low B in bar 22. Features such as the open C (arco or pizzicato note figure (B and A#) and general shape of the figures in bars 17, 20 and 21 is m indeterminacy. Reverb is mostly at 20% and H follows a wave-like path of increase the midpoint of bar 27, the cello rises to its highest possible note, which represes work, sounding as though the transformational repetitions have attained their d



^{*}The published score (1989) has Lento here but the anthology has dolaimino.



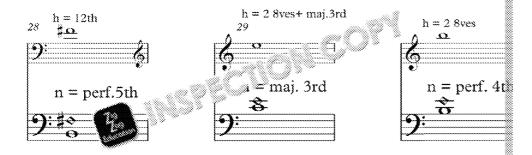


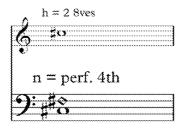
¹⁸ Described by Bela Bartok as 'the sound of the sea', i.e. a roar.

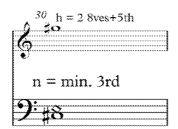
Bars 27-30 (Section H - Lento):

The music in this final section is the fourth of the movements of stasis. The low but sounding with the high harmonic F#, the focus being entirely on textures and achieved from the R and H transformations, the fluctuations of harmonics, the oharmonics and the denseness of hard bow pressures. The range of harmonics suffectionically is as follows:

n = node or where the cellist lightly touches the string which produces the lower note h = resultant harmonic







Although it is possible to identify trace elements of a quasi-tonal scheme in *Petal* valid as a way of analysing it. The two pitches C and F‡ might seem tempting to a tonal or pitch relationship operating. There are moments where distinct relationand C\(\text{h}\), or F\(\text{\$\psi}\) and C seem to present themselves, but *Petals* is not an unequivocal there are pitch relationships in the piece is evident but how far they are systemal interest is on the **emergent qualities** of the sounds as **sonic phenomena**, rather relationships. Her early background with **Spectralism** awakened an interest in the can undergo processes of transformation and mainly through the means of elect transformation, the listener's expectations are made to distance themselves from chords' to a world which is less familiar, dream-like some other-worldly.

Although there is a process of devel and not like classical development by deconstruction and transferment. The process of the emergence of sounds from extended to complete the present work *Petals* emerged out of an earlier quartet and points.



¹⁹ As in Music for Strings, Percussion and Celeste by Bartok or War Requiem by Britten, for exam

General Summary

Date	Petals was composed in 1988
S	Petals is a relatively short work for solo cello and electro
Camua	marked 'optional' on the score published in 1989). As th
Genre	cello and are transformed electronically, the work belon
	acoustic type; in terms of its style, it is like musique spec
	Culturally, the work is from a postmodernist period and,
Historical, social	relates to a tradition dating from some works of Edgard \
and cultural	Electronique), the radicalism of Karlheinz Stockhausen's
context	the 1950s (e.g. Elektronische Studio II, 1954), the experim
	musique concrète, which had an almost scientific attitude
	electronic music at IRCAM with the genre of musique for the mailenges listeners to pe
	common miliers are all sound by transforming them,
	what war per the as 'real' is represented as something
	ে ুল 🤲 Saariaho's music relates to that part of the a
	e every sound in <i>Petals</i> originates from the acoustic
	generates its sounds directly from an electronic source a
	Saariaho is more a poet than a scientist but her work is,
Purpose and	developments of electronic media (MIDI, significantly).
intention;	just before Saariaho utilised the inventions of science, ar
audience, time and place	objective stance to music as though composing were a se
higre	researches of the Spectralists represented a branch of ac
	artistic purposes and expression. Some composers, such
	Babbitt, applied complex mathematical operations to co notable that the Greek composer Xenakis was first an en
	and Pierre Boulez also a student of advanced mathemati
	work such as <i>Petals</i> is a period of 'scienticism' with a cha
	affective expression and where beauty was more genera
	way that $E = MC^2$ is elegant.
	Although there are no tunes in Petals, the work is disting
	what might be termed its melos. In the passages where
	conventionally staff notation (but still with some graphic transformations), melody is more clearly exposed, such a
	bars 4–6, however, is more like a melodic line comprising
	undergoes change with each repetition. The effects of re
	producing sometimes a textured layer of melodic strand
	Such strands, although melodic in origin, generate a qua
Melody and	just as there are no tunes, there is also no suggestion of
harmony	For Saariaho, the harmonic element derives from either
	single sounds or from harmonics which are also electron
	there is no indication that any spectral analysis preceded
	interest in the resultant timbrare than any harmoni
	The exploitation of learners is m music is as old as music
	(triadic harman from stance) is founded on the harmon
	Pet :
	iteenth/eighteenth centuries.
C	retals has no time signature, no bar lines with any conve
	stress, and no established pulse at all; rather, the work is timings where each main section ('bar') should last at lea
T	
Tempo, metre and rhythm	Rhythm is in a constant state of flux and some rhythms,
1114 £11111	written in complex ways; the changes of tempo aligned v
	use of grace note groupings and ornamentations all cons
	which is unsettled and highly flexible. The electronic efformation is unsettled and highly flexible. The electronic efformation is unsettled and highly flexible.
	mregular myummu pattems overlaying tilen ongilis.



Tonality and its structural role play no part in a work suc possible to recognise an outline of pitch relationships ar some emphasis given to a tritone relationship. The Ci is end but it is one thing to make note of that and another significance. Petals has a straightforward design, as discussed, but its Tonality, structure easily. In some ways, the form is like a series of moments and form might say; or, perhaps, the form is like variations as sugg programme note also discussed in the analytical comme performance of a work such as *Petals* changes relative to ambience and the electronic maning tions, its whole will such that formal significance let me a relative experient objective entity. Timbre is the time work and could even be the key & The section notes in the work which remain acoustical 🎮 Jiged throughout so that the pitches become almost 🖹 prime importance. A new range of timbre is uncovered genre created by means of reverb and the use of a harm natural and artificial harmonics, while changing pitch, in since timbre itself is a function of the overtone series; tim extended cello techniques, such as playing with heavy pr Overlapping of harmonics creates a particularly ethereal example, Lento in bar 13-16. The work begins as if from nothing and ends by disappeal Sections are contrasted by means of extremes of dynam loudness and utter guietness in conjunction with metric longer passages are articulated by subtle dynamic chang **Dynamics** begins at mp, moves through mf and pp only to rapidly a such changes, the electronics follow a difference spectrum the harmoniser which is slowly introduced da niente rising and fading al niente. The notation of Petals consists of conventional staff notal graphic notations for the soloist and graphics for the ele Unusual notations include normal notes coupled with ha harmonics, intricate rhythms with complex nesting (bars show accelerando (bar 7) and exaggerated vibrato with 29). Both flat and sharp symbols for quarter-tones are us H and R for the harmoniser and reverb devices. The notations are all represented the guide but here familiar types: Ins....acts to add bow pressure to **Devices, notations** which the audible pitch is totally and terminology There is no separate explanation presumably, it is the reverse of t ... this symbol is meant to instruct Instruction to decrease bow pres marked as E.F. Abbreviation for the expression (is a soft wind-like murmuring sou



The upper notation indicate the lower a quarter-tone



The hairpins indicate a so then back into silence - 1





The upper symbol (a) ind lower (b), an accelerand 'feathered' or 'fanned'.

Devices, notations and terminology (cont.)



The first two notes should fast as possible; the abse only an indeterminate p more or less following the



This indicates a glissando possible on the instrume imprecise as indicated by

{The score should be consulted for the remainder of instructions. The the score and the cello part as published.}

Terminology used in the score is largely conventional but for the terms used throughout:

lento slow trill tr

gliss. glissando R reverb Н harmoniser

accel raildry becoming faster

resume the previous tempo/speed

ritardando – gradually slow tempo

a little held back and flexible with the rubato' ('robbed time') / not strictly

energico energetically accel. . tle ägitated poco agitato poco rubato



Le Sacre du Printemps – Igor S (1882–1971)

Stravinsky The Early Ballet Scores Track 6. Duration: 03:42 Lo Orchestra conducted by Gennadi Rozhdestvensky / Nimbus NI

This drawing of me by Picasso reflects the style of Picasso's contemporary, Henri Matisse, and in a similar way, my musical style throughout my creative life, reflected a range of influences. I used Russian and Lithuanian folk melodies as well as general cultural elements from my native Fig. 2 a can be recognised in my Four Russian Peasant Songs (1917) and Pos Noves (1917) whose syllabic word setting reflects the style of Post of Phodox liturgy at the same time as referencing Russian peasant. If the elements are integrated into a web of modernism as a my harmony which can be described as pandiaton important early works were for the Russian Ballet under the impresario sergei Dhiaghilev but I later wrote works in a Neo-classical style or Neo-baroque manner such as Dumbarton Oaks Concerto. I also used a form of atonal serialism arising from an interest in the work of Anton von Webern. In a way, I can be described as an eclectic composer whose style changed, like Picasso's, but is always recognisably mine.

General Context and Background

Igor Stravinsky's musical life was rooted in his early experiences in his native Rus Oranienbaum near St Petersburg. Although he studied Law (like his predecessor met and studied with Rimsky-Korsakov²⁰ whose influence is evident particularly *Firebird*, the first of the three ballets written early in the composer's career for the Rimsky's influence is also evident in the use of the octatonic scale and its tonal in who influenced Stravinsky in his early years was the extraordinary Alexander Scrianticipate some of Stravinsky's own later practice. Stravinsky's early style for the influences²¹ into a modernist framework expressed most significantly through has

The composition of *The Rite of Spring* can be traced from its inception because the show how the composer found his ideas and how he then manipulated and chargematters remain undiscoverable since Stravinsky generally composed with the pialideas through improvisation. Some of the chords found in the score of *The Rite* of the hand which indicates their origin. Although he used the piano when compose process of composing — a putting together — was an intellectual question and the organisation of material which is not easily attributable to improvisation. Particular interest and integrated.²²

Although The Rite of Spring is oft in head as a concert work, its raison d'être is a dramatic narrative. Again the panesis of the work is debatable. Stravinsky on the him in a dramatic narrative and the panesis of the work is debatable. Stravinsky on the him in a dramatic narrative and the panesis of the work is debatable. Stravinsky on the him in a dramatic narrative and the panesis of the work is debatable.



A work very recently discovered in Moscow was composed soon after the death of Rimsky as some instances, the musical ideas of *Firebird*.

See Stravinsky and the Russian Tradition by Richard Tarushkin in which it is claimed that Stravins in The Rite of Spring as well as deriding Bartok for his overuse of folklore material. (Referenced in

The harmony of *The Rite of Spring* has been much discussed by musicologists and notably by *Organisation of The Rite of Spring, Yale U. P. ISBN 0-300-022-01-8* which, luckily, is beyond Level students. The essential point, however, is to recognise that it can be shown that the has ordered structure similar to other tonal music. Stravinsky himself once said, however, that 'I ear to guide me' (quoted in *The Rite of Spring* by Peter Hill, CUP, page 12). As with other 'quo well to treat such pronouncements with care and using one's ear as a guide is not unusual for also draws on conceptual and aesthetic judgements as well as technique.

A ballet unfolded, consisting of a single dance, danced to the point of exhausing group of elders of fabulous age, desiccated almost to petrifaction²³

An account later gives a similar story:

I saw in imagination a solemn pagan rite: sage elders, seated in a circle, watch death. They were sacrificing her to propitiate the god of Spring²⁴

Dwelling on the veracity of such references is of no value other than that they retelling a story which has also deep cultural roots and even, in some interpretation resonances which allude to the idea of the sacrifice of an individual for the survivascenario is raw, harsh, gritty and tough, all of which adiagrams can describe the many contractions.

Dreams or no, Stravinsky was introduce с и ппигороюдія and artist Nichola composer with a full scenario i nich the work is set as a prehistoric or pagan rit original working title he half pring²⁵ (Vesna svyashchennaya / Весна священы different сс по to the true pagan presentation which became common. In Novin a cattle to meet Roerich in the town of Talashkino, near Smolensk, and the

The work was to be in two parts. The first was called *The Kiss of the Earth* and we games associated with spring and include the sound of *dudki* or Spring pipes; riture follow ending with exhaustion; the dancing is interrupted by the entry of Wise Moreover, and the first part concludes with more frenetic dancing by people ecstanew life and warmth to the frozen earth.

In the second part the maidens dance together and one is chosen 'by fate' to be spring, witnessed by the Wise Men. In production, the narrative is more detailed always central.

As previously noted, Stravinsky worked at the piano when composing and, like Deprepared a short score (essentially as though for piano) before orchestrating. In for *The Rite of Spring*, Stravinsky happened to meet with Debussy and they both arrangement with Debussy playing the lower parts. Details in the orchestration the conductor Pierre Monteux following an early rehearsal. The choreography we favoured by the impresario Sergei Diaghilev of the Russian Ballet, and, following première took place at Théâtre des Champs-Elysées in Paris on 29th May 1913.





Op. cit. Hill, page 3

²⁴ Op. cit. Hill, page 3

Some sources suggest The Great Sacrifice. Whatever the truth of the matter, each of the titles reflects the character and the dramatic formation of the work which eventually emerged.

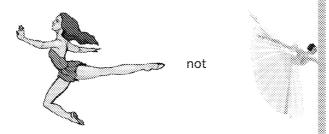
The score is available and is a useful reference when studying the work.

However, the evening's performances began with Nijinksy and Karsavina dancing Le Sylphides with music by Chopin. The programme also included La Spectre de la Polovtsian Dances. These three additions in the programme would have appealed patrons of the theatre who, socially or sociologically, held conservative tastes in was formed by the more artistically conscious 'bohemian' set who were in physical another in the theatre. The author, artist and film-maker Jean Cocteau was in the of his interpretation of the disturbance between the two factions which began as

... smart audience, in tails and tulle, diamonds and ospreys were intersperse the aesthetic crowd. The latter would applaud novelty simply to show their boxes... Innumerable shades of snobbery, super-snobbery and inverted snoble audience played the role that was written for it²⁷

As the crowd's rowdy exchanges became it. ..., Stravinsky left the auditorium to the dancer had to shout the new personne dancers, who could no longer hear to unlikely that it was the property which had generated the ire of sections of the audisquare choosen to the same at it is also true that riots and conflict often arise from self-generated antagonism in Paris at the time between certain strata of society that it was frite' could be enacted.

Stravinsky was once asked to draw³⁰ a representation of his style, which consiste forming right angles, which in itself provides the contrast experienced by the audiexpecting only the gentle curves of romantic ballet and ballet music.



The Rite of Spring is musically radical and almost caused social revolution albeit with Théâtre des Champs-Elysées.



Op. cit. Hill, page 30. Opera still attracts different sections of society: those who go for the operation currency it provides (Glyndebourne, for example, where dressing up and having a nice picnic)



To appreciate the differences in ballet styles you should view the docudrama on *The Rite of S* slightly racy in parts). The representation of the early rehearsals is plausible and the first per It is an entertaining 'must' for any student of the work and gives a welcome change from wo historical context.

²⁹ Op. cit. Tarushkin

³⁰ Stravinsky in Conversation with Robert Craft, page 121 (for the diagram), Pelican by Penguin

The Scenario and Narrative

The narrative of the work is not complex and is told through a series of balletic tall theatre, where the large gesture is often more communicative than subtleties.

Part One

Adoration of the Earth

Introduction – Orchestral introduction featuring the spring pipe sound or d

The introductory section in *The Rite of Spring* was originally entitled 'Dudki'. The name refers to folk pipes which the young Stravinsky probably would have heard during the spring collebrations in Ukraine. Made from wood or born, Judicial ecome almost synonymetric with the coming of spring.

Stravinksy's manage Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the rituals of culture, whether the scale Connects with the ritual connects with the

A double dudki pictured in Belar

Courtesy of http://www.belarusguide.com/culture1/music/Instruments

- The Augurs of Spring / Dance of the Young Girls Representation of the composition of the Comp
- Ritual of Abduction The Girls group from the hills by the river and begin t
- Spring Rounds The Girls dance the khorovod
- Ritual of the Rival Tribes The dancers/characters divide into two rival ground dramatic conflict³¹
- Procession of the Sage (sometimes Procession of the Oldest and Wisest On processional appears and leading Sage blesses/kisses the earth (a reference resonance of Russian Orthodox ceremonial)
- A Kiss of the Earth (the Oldest and Wisest One / Adoration de la Terre (Le S)
- Dance of the Earth (Danse de la Terre) A furious and passionate dance repetite the earth as a holy relationship

Part Two

The Sacrifice

- Introduction A slow orchestral introduction
- Mystic Circles of the Young Girls Circle dances representing a mystical unil
- Glorification of the Chosen One The dancers rotate several times and twissingled out as though by fate; once chosen, the girl is cells brated in a martial
- Evocation of the Ancestors The girls evoke or same of the ancestors as between their actions and those of tribal rapitir same a form of vindication
- Ritual Action of the Ancestors The genus osen by the tribe is given over to
- Sacrificial Dance The channel gill lances before the assembled tribe until s



Note: You should now buy a ticket to see a production of The Rite of Spring.

Failing that, follow this link to a performance of Nijinksy's 1913 choreography the fuss was about!

https://www.youtube.com/watch?v=4coES_ei4PU

Not unlike what was happening in the auditorium.



Analytical Commentary

Stravinsky The Early Ballet Scores Track 6. Duration: 03:42 Lo Orchestra conducted by Gennadi Rozhdestvensky, Nimbus NIS

Preliminary Notes on Sources:

As mentioned above, the recent research by Robert Craft, Lawrence Morton and clearly the sources from folklore absorbed into the melodic content of Stravinsky traces five melodies that Stravinsky uses taken from a collection of 1,785 Lithuan *Juskiewicz Anthology*. Moreover, those melodies are closely linked to the kind of *Rite of Spring* celebrates and on which Roerich based his scalario. So, the influe more general cultural influence.

However, Stravinsky's use of the r = 0 is not merely slavish but is more a quest melodic contours and using characteristic intervals within the maternarrow pitch are also like melodies. Importantly, the folk elements interest of the early the twentieth century. The twentieth century is the twentieth century.

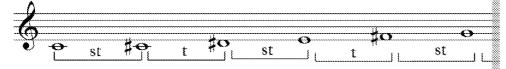
Preliminary Notes on Harmony:

Interpretations of the harmony of *The Rite of Spring* range from 'noise' (Dent, op relationship of 'pitch class sets' ³⁴ (Lane) or as 'tonal chords in dissonant conjunction present guide, the approach will be more sympathetic to the latter type, which also of the octatonic scale.

Octatonic Scale:

The harmony of *The Rite of Spring* as well as Stravinksy's style generally is described Some chord formations may be explained as **diatonic combinations**; ³⁶ others as as **pandiatonic clusters**. ³⁸ However, an important link to all of these is the **octate** which alternates tones and semitones. That being the case, it can be understood minor modes of the diatonic system, just as the melodic minor scale can be understood harmonic minor scale and the Aeolian mode.

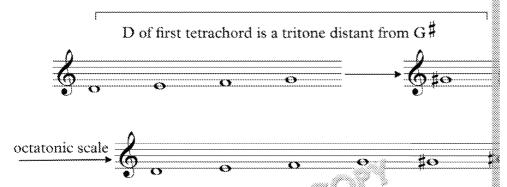
Octatonic Scale on C



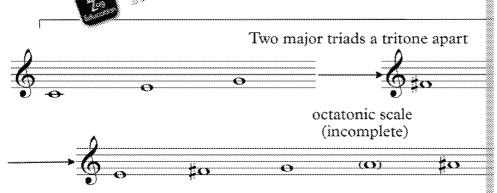
- For the complete picture 2 1 mill, pages 40–45
- 33 As also in Rock and 15
- The idea chasses set' is borrowed by musical analysts from mathematics. It was discussive first a major from mathematics and idea which is explored here as it is not very relevant other group of notes or pitches treated as a unitary musical object but not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which form a major triad; another is the first set of six not necessarily in a particular pitch class set is the group of notes which is not necessarily in a particular pitch class set is the group of notes which is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class set is not necessarily in a particular pitch class
- The phrase describes the use of common triadic chords which do not have a close tonal composition of a C major with an F sharp major triad. In simple terms, the scale of C has no notes in communderstand as being 'distant' from it, i.e. without any strong tonal relationship or attraction.
- Combinations of diatonic chords in diatonic relationships. For instance, a C major triad combined chromatic or semitonal links and so is diatonic.
- The whole-tone scale consists of intervals of a tone only. Any chords created from those tone
- The term 'pandiatonic' was coined by the musician Nicolas Slonimsky and refers to the use of without the traditional regard for their resolutions or doublings.
- 39 Rimsky-Korsakoff, Stravinsky's teacher, was somewhat obsessed with the properties of the octator



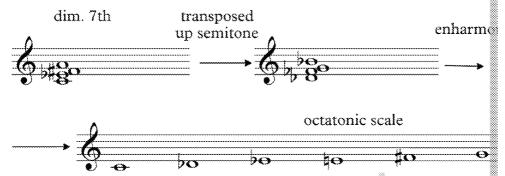
The octatonic scale can be derived in various ways. For instance, combining two scales a tritone apart produces the notes of that scale.



The octatonic scale may also derive from a separated also by a tritone. score for Ballet Russe, *Petrouschla*, the same piano has an *arpeggio* figure entirely of a C major triad overlage to the same of Spring.



The octatonic scale can also be derived from diminished 7th chords overlapped a

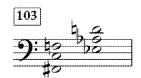


Despite the prevalence of octatonic elements in the or Stravinksy did not emerclusively, but musically. The form interest with diatonic, modal or decorative a musical ear and intention. Other is the commations also occur, such as quarmuch a feature of the model of period. In the ¹¹4 bar at RM 103 of the score, the quartile characteristic commations are apart (that interval being stritone and prinished 7th chords). 41

Quartile harmony is built from superimposed 4^{ths} which may include augms (Triadic harmony is built from 3^{rds}, as formulated by Rameau.)



⁴⁰ A tetrachord is four notes within a scale spanning the interval of a perfect 4th. In the minor scale includes A, B, C and D, and the second E, F, G# and A even though, technically, the scale ends on the ⁴¹ A diminished triad (for example, formed from A-C-Eb) is formed from minor 3^{rds}; the outer interval diminished 7th chord continues the pattern of minor 3^{rds}.



Notice that the tritone appears in the lower two notes of the two of the second tri-chord forming a combination of dissertion fourths and the diminished octaves forming altogether a fourth by the low register.

As demonstrated by the musicologist Pieter C van den Toorn, ⁴² a characteristic of their octatonic intervals. The melody in *The Ritual of the Rival Tribes* RM 64, for features. The melody is clearly from a folk source and uses only tones and semits within a narrow tessitura of a perfect fourth, D, to G'.

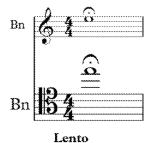


Another way coling is to see the melody as a fragment of a Dorian mode detract from the set, but reinforces the view of Stravinsky's eclecticism.

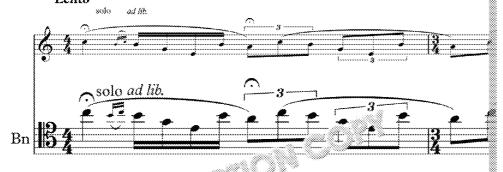
Part One: ADORATION OF THE EARTH

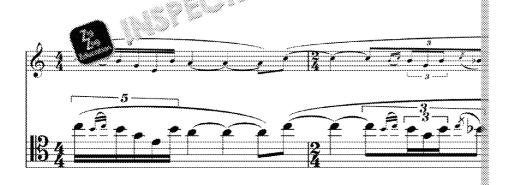
Introduction

Any impression that Stravinsky was concerned entirely with harmony, the octator corrected once the first notes of the work are heard. It begins in the high register almost unheard of in 1913 and it indicates Stravinsky's often original orchestration effects. The highest (practical) note for the bassoon is an E as shown:



Stravinsky begins his work on the C just below and also a the D above in the second bar as well as continually returns







Stravinsky and The Rite of Spring, Oxford UP, 1987.

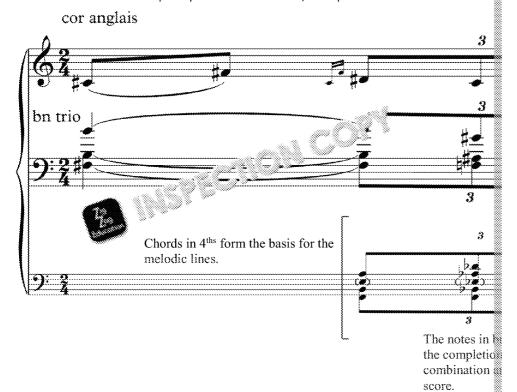
This melody contains a number of characteristics of the composer's style through notable not only for its harmonic boldness but also for its rhythmic character, as bars, the flexibility of rhythm, changes of time signature and use of tuplets within a balance of rhythmic character compared with the aggressive motor rhythms he melody is decorated always between the B and the C emphasising the semitone, on itself and the narrow tessitura are consistent features of Stravinsky's melodic leads always to the same note, A, and the melody is left to hang at the inconclus

Poetically, here is the *dudki* piping for the spring and an evocation of an ancient connections with nature through animalistic sounds and birdsong. Technically, the which becomes a source of a multitude of motifs from which is woven a complex woodwinds. The bassoon solo emphasises a minor triad and a semitone figure assemitone figure heard initially in the horns from the secondary. The chromatic clarinets (in A [La], piccolo in D and bass clarinet in Bb. the clarinet in A moving dan octave below; the Bb instrument falls in Bb. the same interval from an Ab to smaller instrument in D spans and after the down to B). The bassoon melody the initial triplets from an analysis sustains an A from RM 2. Its rising 5th becomes from RM 2. Its rising 5th becomes



Within the first six bars different scale forms have been drawn together including scale and a pentatonic fragment often in conjunction harmonically in 4^{ths}. At RM remains formed from the last beat of bar 2 and the first quintuplet figure from bar of foreshortening of the principal melody. As the double bars in the score indicated completed, being further marked by the change of tempo (*Più mosso*) at RM 3+1

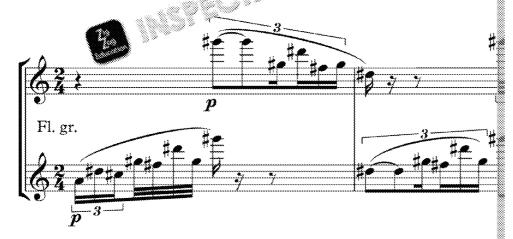
In the following section, the cor anglais continues its pentatonic line accompanied distinctly different melody, it also has connections with the bassoon's by means notes and its rotating contour. The bassoon trio is chromatic and derived from a bar 14 on the second triplet quaver on beat two, the quartile chord structure is continued in the second triplet quaver on beat two.





Although the music feels quite static due in part to the frequent rotation of the sorders and the absence of strong harmonic movement, it also shows a line of decoff from RM 4.

'Development' does not mean the same as in Classical works but is more about underived from the initial bassoon melody, and forming them into new relationship sustained note taken from bar 3 is transformed into the monotonal figure heard underpinned a 4th below by the trilling A clarinet's G# and a sustained E major che clarinet plays a form of the chromatic line from the first four bars and the repeat violins and violas suggests an intimation of the rhythmic drive to be heard later. derives from the end of the solo bassoon melody growing expansively outwards presence of alternating tones and semitones within the diffusion strands and the D#s contributes to the overall octatonic harmonic field. Nother figure which is at RM 4+1 low in the bass clarinet. At the base of RM 5, the chromatic line betaken up in the flutes imitating by albeit briefly.



As with the bassoon solo, the style is melodically rotational with imitation follow content remains very limited and pentatonic save for the rising augmented 4th at Development of the solo melody is almost in reverse: each time it is interrupted such that it seems to dissolve itself into a new set of motifs which are then struct than following the classical model, Stravinsky has reversed the process, moving for motif to melody.

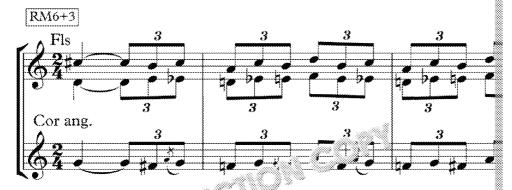
Another part of the mosaic is the horn's alternating semitone figure over a major derives from the very opening horn part at bar 2 as well as being an intimation of Dances of the Young Girls.



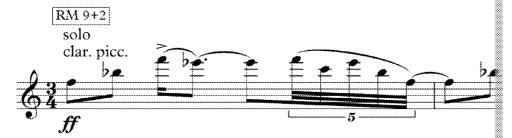
The monotonal figure which entered at RM 4 occurs also one bar before RM 5, the an F# (minor 3^{rds} from the original entry on a D#), at RM7 as a Bb (A#), and on flustrating on Eb is overlapped by the high G#, and in both cases the rhythm has been monotonal figure derives from the same pentatonic note set as is in play in the same D (C) sharps. The *pizzicato* bass figure at RM 4 is also taken from the same results.



The pentatonic group is contradicted in the horn passage above and in the oboe beginning at RM 5 and especially by way of the E# (F in horns). At RM 6+3, flutes of chords including triads and in frequent conjunct motion, the upper part being melody and the lower parts from the chromatic complement. Both parts, typical



Tonally, the passage is the in a dissonant quartile chord and thereafter combination $\binom{6}{4}$ begether with the open 5th E+B with an F# which appears at the over the A (dominant) pedal trill in the violins. The trilled pedal has also been few heard in the clarinet. As the orchestral texture becomes busier, with each individed and together, the texture is interrupted as at bar RM 7+3 for a fragment on the is just enough to introduce a degree of coherence. Structural coherence is also a pedals, as at RM 8 where the solo bass has a six-bar Bb (A#) followed by further from which is the high piccolo clarinet's rising 4^{ths} repeated three times over seve of certain expectations. The orchestration ensures that this high clarion call is full idea in the long repeating passage from RM 11 to RM 12.

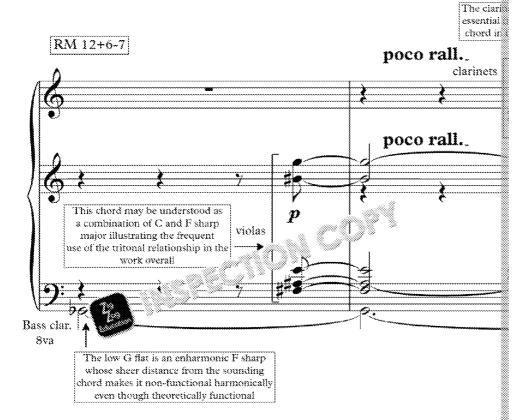


At RM 10, which is a like a mosaic of melodic ideas previously heard, is a sustainer an offbeat triplet *ostinato* on *pizzicato* basses acting as another pedal point, but before. The orchestration and texture at RM 11 are reminiscent of Stravinksy's petrouschka, and incorporate rapid flurries of harmonics distributed between div 7th chord of F (C⁷).

Characteristically, the music which is in full flows and a ceases at RM 12. The a semitone lower than initially. The viril is a cup a three-note ostinato figure where pedal and figurations on claring and cass clarinet; a further caesura, or moment analysed as a type of bit and chard such as appears in Petrouschka. The chord is written entails as C natural) plus the major 3rd from the F# major chord a colouristic at the than anything harmonic. The chord has a clear tritonal reflected in the subsequent bar on beat three.







Above this, the three-note ostinato figure repeats, completing the transition to the

The Augurs Of Spring

Dances Of The Young Girls (representation of the coming of spring woman enters and foretells the future)

From RM 13 begins a passage from which Nijinksy must have conceived his angular which caused the stir in the theatre. The chord is highly dissonant, played with structure forceful punctuations from no fewer than eight horns! Although the rhythm is in unpredictable accents which are emphasised by the horn chords. Stravinsky masteractly' with no deviations. Harmonically, the chord is a composite of an Fb maje dominant seventh on Eb.





Tonally, the dominant 7th is pulling towards Bb which forms a tritonal relationship (enharmonically E major); on the other hand, the harmony may be understood a combination with a particular tonal colour. Although largely new, similar combination works by Stravinksy's compatriot, Alexander Scriabin.

At RM 14, the texture changes along with the harmonies which are, however, for The chords are broken into a pattern familiar to *Symphony of Psalms* and *Petrou arpeggio* figure on C major and E minor; in parallel, the violoncellos trace E major anglais plays the *ostinato* previously written in semiquavers (as first heard in violonce quavers in the new tempo. The triads are brought into close contradiction by the bassoons against the quaver movement in the cellos which creates false relations with the dissonance arising from the contiguity of C and P wever, the pitch set the same octatonic group as RM 13 but with the result in C which complete



As the harmonic *ostinato* unremittingly repeats, two new ideas are superimposed followed by a version of the earlier monotone idea which trails off into a version descending figure.



At figure (A), octaves combine with perfect 5^{ths} in contrary motion and complete chords below and the subsequent G# and C# also dissonant against the G‡ octave.



Figure (B) is on solo trumpet and oboe (having similar timbre): the oboe is foresh arrested incomplete on its G_{\flat} ; the oboes imitate and also stop short on the G_{\flat} unta G_{\flat} unta G_{\flat} consonant with the lower chord and repetition of the G_{\flat}

These bars provide a condensed example of Stravinsky's melodic technique show of notes in different metrical positions, drawing them together only to be dissolved.

The next section to RM 18 is integrated by a pedal on C initiated by the bassoon's reiterated on the oboes. The brief motif first heard at two bars before RM 4 recurellos and basses at RM 16.

The figure built on 5^{ths} is the sposed at the 5th (Ab to Eb enharming as well as being rhythmic. The authorized and given a new disguise



The figure is developed again on clarinets three bars after RM 16: here, the broke fused in vertical formation creating a harmonic version. It is as though the music from different viewpoints simultaneously in a way which is comparable to the sty Picasso and Braque at the same time as *The Rite of Spring*.





Violin and

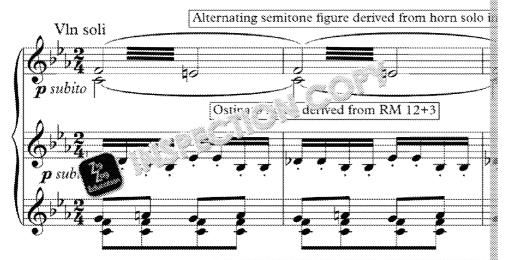
While the figure based on fifths has come into for as, by remaining texture is decombinations within the mosaic including a lipler figuration in violas from RM

At RM 18, the driving has a concluding fragment derived from the folk melody will descending as briefly octatonic like the consequent phrase four bars before





Following the pause at the double bar, tonally on D but with conflicting F# and F\$ of descending minor 3^{rds} and perfect 4^{ths}, the familiar pentatonic *ostinato* and a tRM 14 makes an entrance at RM 23+1 until a change in the underlying *ostinato* s (derived from the folk source) on solo horn. The new underlying texture is show one feature being the sustained C\(\alpha\) in violins as a memory of the earlier oboe's C nature of the different elements Stravinsky combines within the mosaic, the use provide tonal coherence.



Ostinato pedal on C in fourths and appoggiatura G rising to the A natural to form a second inverse of F major although not functionally

The close dissonance is very marked with the pedal C conflicting with the Db and it conflicting with the Db at a tritone, the Ab with the Bb and the Eb (also related to it trill conflicting with the Bb, also tritonally, and the underlying perfect 4th of the C continues over 28 bars counted from the first violin's entry, then supports a diata horn marked mais en dehors ('prominently' / 'more open' / 'more open air') indigive prominence.

RM 25

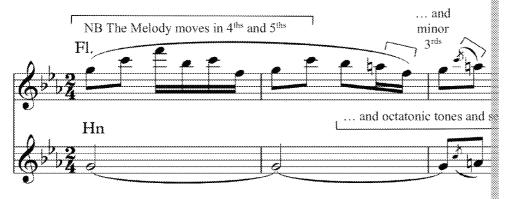
(mais en dehors)



The melody has Dorian characteristics (G–F′ + B) in the mind degree of the mode relationship with its surroundings.

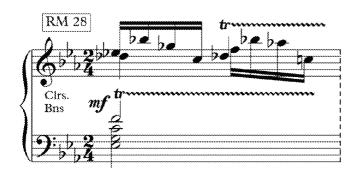
The consequent phrace when we solo flute and also cadences to the G.





RM 26 draws together the monotone with accacciaturas and the chromatic tail for 15+1) which also has a connection with the descerning of on atic line heard in the Stravinsky's technique is about joining different participants together in changing relations artwork.

The undulation and A above is doubled at the 4th above by clarinets (melody is not asposed to start on Eb but with rhythmic truncation. The principusy orchest and from RM 28, the upper flutes playing the first notes of each gemphasis there. Combining with that repetition, the upper clarinets repeat a ser derive from the consequent of the principal melody, at least in general contour. Strong cadential character towards Db by way of the diminished 5th and the C who However, as always, the surrounding tonality is not as clear-cut as it suggests as is at a major 2nd with a double pedal formed from the bass clarinet's low Bb couple (minor 3rd, in essence).



The chords have those voices move direction or, in a with each other. chords might be 'parallel organus

The ostinato pattern of 5^{ths} is given an edge by the doubling of the timpani.

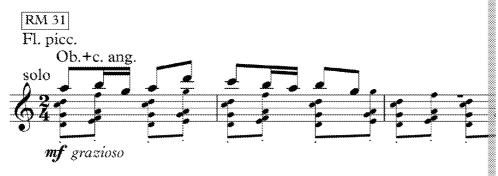
Once fired up, the music drives forward propelled by the power of repetition. The repeats, rotating different motifs within it; but the most prominent new event is melody presented in four-part parallel harmony on trum. The scale is octator



Without completing its anticipated second repetition, the trumpet melody cuts of bars of a lighter timbre and texture mainly in the strings, with the remnant of the clarinets and *pizzicato* violas. The **deconstruction technique** applies throughout movement which is now also marked by the removed Eb key signature. The idea that, what was first heard as a complete idea, is now being heard in term of its seexplorations of Cubism seem to be reflected in Stravinsky's mannerisms.



At RM 31, the first melody is heard only with its first two bars:



The bars are separated by the ongoing ostinato combination and then the second

RM 31+4



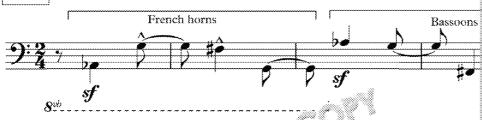
Thereafter, just the opening motif is used, having been turned into an additional

RM 32



The strings from RM 31 are reflecting the chording of the woodwind but in a conproviding another *ostinato* layer. The horns, however, play an angular version of but this time with **octave displacements**.

RM 31



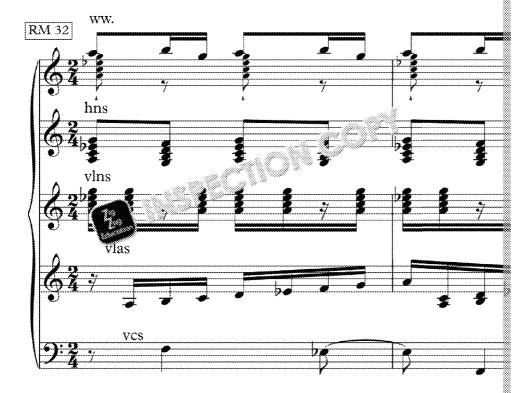
Octave Displaceme

Supposition of the school of t





The horn's displaced line is taken up in the cellos at RM 32 and later reinforced by final section is harmonically static rocking to and fro two dissonant chords given horns. As the horns enter the fray, an octatonic scale passage begins which later and septuplet figures originating from the chromatic descent heard in the *Introd* reduction of the principal parts from RM 32:



The mosaic-like combination of elements already heard is very clear. The alternating harmonies primarily in the horns comprise a minor 7th (added 6th) followed by a dominant 7th (of C). The harmonies are duplicated by the upper strings as a rhythmic figure and only on the minor 7th. The violas trace a scale beginning octatonically, doubling in 3^{rds} at the second bar, while the cellos imitate the contour of the previously angular horn melody but still with notes from the prevailing scale. Similarly, the upper melody at RM 33 is duplicated as a variant in semiquavers in the divided violins where the upper division plays harmonics while the lower violins play a simple rhythmic variation.

Activity

Using instructions construct the layer, to he (Improvising would be a yourself with



The movement closes on the minor 7th chord which just hangs unresolved but or next movement or tableau takes over immediately.

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Ritual Of Abduction

(The Girls group together from the hills by the river and begin their discounting the control of the control of

The entire movement is infused with a single melodic line but the first five bars a harmonic combinations. Presented by trumpets and horns, the harmonies comb C major triad. Additionally, the sustained 3rd (A# and C#) suggests an F# major at beat out their F#s in bars 2 and 3.



The roots of the three harmonies trace a diminished triad linking the overall harm collection. The timpani F#s follow a C, forming the tritone interval which outling 38, the music cadences to Ab^7 and B^7 which form a similarly octatonic and symmetric violins injects further dissonance by way of the major $7^{ths} = -D\#$ and the C = C





⁴³ Remember that the octatonic scale comprises alternating tones and semitones which form b

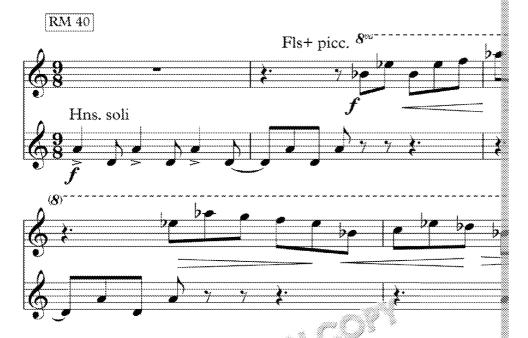
Interpreted with a different emphasis, the harmonies can be understood as simply producing a **pandiatonic** result. Similarly, the melody entering in bar 3 has little around it. However, whether by luck or design, the melody begins on A which complete. El-F#—A providing a degree of connection.



While having a relationship to the prevailing octatonic or dismisshed harmonies is in the Dorian mode on A.



The music rises through G# major (Ab) and descends in a flurry of chromatic tuple a hunting figure in 5^{ths} the underlying harmony being Eb⁷, as at the beginning. The antiphonally by the Dorian melody which has been transposed up a semitone to

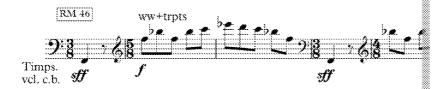


The harmonic relationships continue through the rising sequence starting at RM

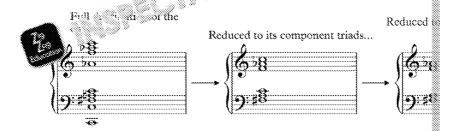
RM 43 is a colossal hon an presentation based on the last segment of the Daround itse an ameritypical of Stravinksy's melodic style, as previously not and the mean mough changing from 6 8, to 7 8, to 3 4, 6 8, 2 4 etc., delivers a pattern The climactic section continues up to RM 44 where the horn call repeats transposed the down a 5th). Underlying it is a harmonic outline of F⁷ and so in dissonant relation of dovetailed diminished 7^{ths} is cut through with horn's final rising 5th (El-Bl) before and timpani. A short 3 8 bar separates the subsequent repetition of the Dorian means.



It is now heard in alternating metres beginning in $\frac{5}{8}$ and scored for woodwind w



From RM 47+1, the strings take up the melody but present it in the manner of the version; the ³8 caesuras in the previous section are alluded to but now as full chorquaver. A similar technique is apparent in the example above (RM 46) where, by F to Bb, the melody is changed metrically by being 'mover' is 'g' by rhythmic dispartly. Violas have a sustained inner pedal on C from M 3 +1 underpinning the cellos which outline intervals of 4^{ths}; the second in the control of the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which outline intervals of 4^{ths}; the second in the cellos which is the cellos



In the lower parts, the chord is a diminished triad and in the upper parts the chord common to both is the viola's pedal note of C which provides an aural link to the chord further by removing the C, the harmony basically comprises two minor 3rd provides a further link with the octatonic scale. Although the chord can be reduced actual distribution together with the orchestration are very significant factors in an analysis should not be used to overlook. Stravinsky is particularly attentive to distributed or spaced since, for example, a very wide spacing of nominally dissonance is a dissonance orchestrated on loud brass instruments may sound in woodwinds.⁴⁴

The climactic conclusion of *Ritual of Abduction* focuses the tritonal relationship a evident throughout the first three tableaux as well as the entire work. The C maparts mainly in the strings; their trill oscillates between E and Eb but ends on an Eb the Eb on the final flute trill which is coupled with the 5th below (Ab). The root tuba and bassoons and is tritonally conflicted by the prominent F#s on horns. The triad formed as the flutes fall to their Eb trill which also acts as a bridge to *Spring*.

The chord is this: F# dim. + F minor 7 G is common none 9:#00 # C ## none



I recommend looking at the opening chord of Stravinsky's Symphony of Psalms where the or significant and provide an illustration of the point being made.

This and the remainder of the work are not set for detailed study although it is necessary to your A Level course.

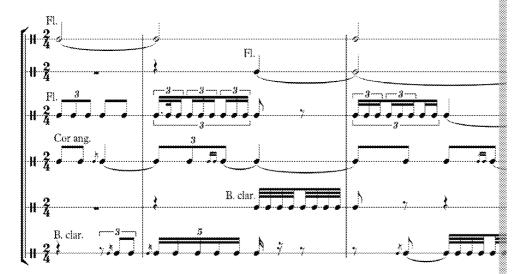
Note on Rhythm:

However Stravinsky's harmony and melody might be analysed or explained, it is them which have the most impact. While Stravinsky expanded the harmonic pale into a modernist idiom, he also innovated in terms of rhythm. Sometimes, rhyth and motoric; at other times, it is subtle, flexible and fluid. Some critics have sugger orchestra of *The Rite of Spring* as one large percussion instrument.

The opening bars well illustrate the fluidity and flexibility of slow tempo rhythm. certain notes forestalls the establishment of a clear pulse and the melodic phrase displaces a strong sense of bar lines as written. The second phrase of the opening the first beat with the change to triple time in the second bar but has no suggest bar; the use of a quintuplet in bar 3 and the triplet within the flexibility of the melody line. Such flexibility is the second by the regular triplet contrast the continuation of the opening second.

In the horizontal plane so the wertical change are the vertical miles may be quite regular as in RM 6+4–9 (p. 3 of full score arrangement mophonic and homorhythmic; in other places, the vertical plapolyrhythmic, as in, for example, RM 5–RM 6 and RM 11–RM 12.

RM 6



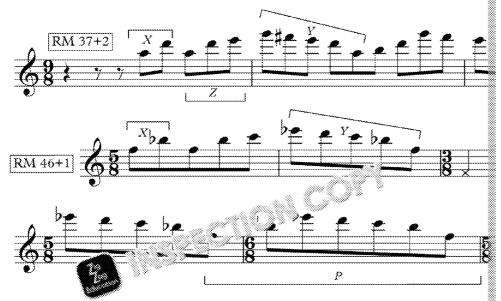
There are many passages like the above which show complex layers of polyrhyth

Contrasting with such textures are those passages which are resolutely vertical in motor rhythmic figures but often with accents unpredictably placed which disturbmetre. The clearest instance is the *ostinato* pattern at the set of *The Augurs of* down bow marking and *Tempo giusto* characteris and some ple quaver figure which second or fourth quavers or sometimes continues. Wherever they occur, they eight horns. Contrasting the motorical relation of such a passage is the intervening regular quaver *arpegai* contracting the motorical submiquaver patterns. Such passages also illustrate structured the motorical submiquaver patterns.

Stravinsky's use of accents within otherwise regular rhythms disrupts the natural places, the pulse changes frequently. In *The Ritual of Abduction* at RM 43, ⁶₈ give ⁷₈, ³₄, ⁶₈, ²₄, ⁶₈, ³₄. Such metrical changes are often closely linked with melodic defrom RM 25 discussed above; similarly, the moving of the stress given to particular feature of the passage which begins at RM 43. The section begins in ⁶₈ where the stress changes in the following ⁷₈ bar where the stresses are on both of those had been weak within the ⁶₈ bars. Rhythm becomes important to the technique that does not include a wide range of pitches.



Another example of rhythmical development of melody is in the treatment of the bars before RM 38. The pattern at the presentation is in ⁹8 as follows.



The development occurs through a technique which involves the repositioning of At X, the first statement of the rising perfect 4^{th} begins on a weak quaver in the sefirst stress of the 58 bar when it recurs at RM 46; it also recurs at P where the street the series of five notes at Y firstly fits into the 98 configuration but then, in transpositive also without the 3+2 stressing of a normal 58 bar. At Z the rising 4^{th} is invertible four notes in the 48 bar being equally stressed, unlike in the original presentation third beat of the 98 bar. By using a limited set of notes and by rotating them at distravinsky is able to rotate his melodies and generate new forms. This kind of rotatelected in the rotation of entire sections within the work as well as the more fall the rotation of entire sections, as in a mosaic, can be thought of as macro develop of motivic development can be thought of as micro.

Associated with metrical manipulation is the use of silence. As well as reposition pitches may be placed or omitted either side of a rest, but that is a feature of Strawhich is more apparent in other movements of the work such as *The Glorification*





Making Comparisons

Making Comparisons (A)

There are a number of aspects of similarity, particularly in timbre and rhythm, be Stravinsky.

The following game may help you to think about the links between the two work continuity and change from a historical perspective. Use the opportunity to discussious effort to use relevant technical terminology.

Each person in the group selection care to unscuss, or the cards can be allocated in

At the end contribute to a short written and concluded to a short written

Muso Game

This game is designed to encourage discussion of the set works within a teaching

Since the separate subjects will inevitably recycle, the game will also require care points will be in constant circulation which will aid retention of analytical points.

If possible, glue the game and counters to cardboard before playing.

The topics in starbursts are for A Level only but the rules allow them to be either

Rules:

- 1. Players take turns to throw dice and make moves through the game
- 2. Having landed on a topic, player must talk about it for one minute
- 3. The use of correct and appropriate terminology must be credited
- 4. After a minute, other players can add their comments
- 5. Responses should include references to the relevant scores
- 6. A Level students respond to any of the topics
- 7. AS students may choose to answer an A Level topic (in starburst) or to move
- 8. Completing the game first does not indicate a winner
- 9. The role of the teacher is to assess the quality of the response and award a

The teacher will score responses as follows:

- ◆ Overall understanding of the question 0–5
- Accuracy and appropriate use of termin gy =
- Appropriateness of exemplars (a) the scores − 0−5
- Speed of response (□2000 k 200 your way round the scores?) 0–5

Making mparisons (B):

The Muso Game will help familiarisation with the various similarities and different and their styles in general.

When asked to compare two styles or works, it can be useful to keep in mind baselements) as main headings under which observations can be made. If you find the musical elements, which might just help you to find something by focusing a



Discuss tempo in relation to *Petals* Planing / Parallel Organum Discuss an example in Stravinsky Tempo graphic notation in Petals Explain the use of Notation Discuss the use of folk melodies in *The Rite o* Stravinsky Spring Explain the meaning of R and H in the score Petals Give two examples of rhythmic freedom in Petals Rhythm Octatonic Scerr Explain this term relation to Stravinse, Discuss in relation to Stravinsky Pandiatonic Harmony Define 'register'. How is register used in Petals? Register



cadences in *The* Rite of Spring Comment on the Cadences harmonics in Stravinsky What part does variation play Evaluate the use of Stravinsky Variation in Petals Describe changes of texture in any short passage of Petals **Texture** Development significant in Saariaho? How far is timbre Timbre Discuss tech musical de technique in her work? Saariaho use variation To what extent does Variations harmonics in Saariaho Discuss the use of Harmonics counterpoint in The Rite Comment on the use of Counterpoint of Spring Discuss the use of two gramples in *The Rite of* Give an example of triadic harmony in Ostinato Spring Harmony Stravinsky treatment of a motif in Locate and discuss the Motifs Saariaho



chromatic and diatonic Distinguish between Inversion inversion ivé vne example of quartile mony in Stravinsky Ouartile Harmony Give two essupples of the use of sitone in Evaluate the use of ornamentation in Petals Stra Discuss rhythm in The Rite Rhythm Harmony Discuss harmony in Saariaho Discuss notation as used by Saariaho Notation Comment on the cadences in *The* Rite of Spring Cadences



Notes on the Examination: Se

Section A:

- Advanced Subsidiary, Component 3: Appraising is a written examination last
- You will work through a booklet known as a resource booklet
- You will work with your individual CD player and examination CD which mea many times you listen to the musical extracts relating to the questions
- The total mark for the paper is 80

NB Edexcel publishes its own instructions on the examination which should alwayiven here are based on the presentation as published by a samination board framed to include certain 'command' terms which are by words, which will alwaying

The command words can be reministrated and's own specification documents but, for

- Complete _ often _ 'ng _ arctation questions which involve completion @
- State, an quentify, list relating to the citation of particular points
- Explain ting often to what a particular effect of a musical event might
- Compare relating to similarities or differences between musical passages;
 relates to making 'relative judgements'
- Discuss axiomatic but be aware that mere assertions do not form a discus
- Analyse relating to musical elements or features within a work
- Evaluate relating to judgements against specific parameters; invites draw

For the following questions you will need access to the relevant scores and reco

Each question is set out in a single page for ease of photocopying and in the current with some significant differences due to the absence of a listening CD.

The format includes the instruction to 'listen to Track... of the CD and refer to Ex

As you will not have a CD for these questions, a different phrasing is used in the the recordings available.

The purpose of answering the questions below is partly to provide practice in mageither within a time limit of classroom work or as a more leisurely piece of homes springboards for individual research and nudges towards thinking about the music which can be very helpful in forming one's own judgement about the music. The 'evaluate', which means not just analysing but making an informed aesthetic or





Sample Exam-style Questions fo

Kaija Saariaho: Petals
All timings refer to Aeon AECD0637

Example Question 1 (AS / A Level)

Bars 1-21, 00-2'25" (p. 1 of the score)

Identify	the note in bar 8 which sounds as a natural harmonic.
Identify	one technique of cello playing the set not rely on electronic p
What is	the effect of reverb (R) in bars 4 to 6?
Compar	e the music in bars 1–3 with that in bars 4–7.

) A (-	
bar 2 m	oes the graphic notation near the e
0I ⁰ - -	
	e your answer wit' stross in the box [X]. If you change your min n the boy 「
 (
Α	softly
В	play several notes together
C	add bow pressure to produce a scratching sound, in which the
*	audible pitch is totally replaced by the noise
D	play extra loudly and <i>crescendo</i>



Example Question 2 (AS / A Level)

Bars 10-17, 2':25"-5':19"

(a)	Identify two examples of artificial harmonics.
	Bar:
	Bar:
(b)	Explain the type of notation used at the beginning of bar 22 up to, but not i
(c)	Describe now Saariaho creates contrasts in her score. Refer to the use of ti in this section of the work.
(d)	Name two of the ornaments used in bar 10.
	(1)
	(2)
(e)	Listen to the recording from bar 17. What technique does the cellist use to
	Indicate your answer with a cross in the box [X]. If you change your mind through the box [X] and then mark your new answer with a cross [X].
	A pizzicato



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ticello

C

Example Question 3 (AS / A Level)

Bars 4-6, 1':17"-1':37" and bars 13-16, 3':00"-5':05"

elemer	nts such as pitch, tempo, rhythm and dynamics.
What c	loes 'poco agitato' in bar 1. 10 10
	<u>.</u>
What i	fect of the use of Reverb (R) in bar 1?
Describ	e the pitch change shown by the notation of the harmoniser in b

Write a	cross (X) in the box against the statement which is ${f true}$ of ${f the}$ ${f m}$
Indicat	e your answer with a cross in the box [X]. If you change your mi
	h the box $[x]$ and then mark your new answer with a cross $[x]$.
А	the music is very loud
В	the music consists of harmonics only
С	the music includes harmonics as well as natural notes
D	the music is in the key of C (1)
60000000000000000000000000000000000000	



Example Question 4 (AS / A Level)

Bars 18-24, 5':21-7':04"

(a)	Identify the bar which shows notes played as artificial harmonics, trilled an simultaneously.
	Bar:
(b)	Identify the bars in this section of the work which use fanned beaming nota
(c)	Describe how the first more in her 20 is developed up to and including the fi
(d)	Name any two techniques of cello playing used in the section bars 18–24 of
	(1)
	(2)
(e)	Explain the use of tempo and rhythm in bars 18–24 of <i>Petals</i> .



Example Question 5 (AS / A Level)

Timing needed Bar 27, 7':28"-7':41"

(a) Describe what is meant by the vertical arrow below.*

	27
	\text{\frac{1}{10}}
	nnn
	ppp
(b)	Which of the notations used in a so of <i>Petals</i> suggest that it is an example of the notations used in a solution of the notation of the notations used in a solution of the notation of the notations used in a solution of the notation
, ,	
(c)	Name any two types of ornamentation used in bars 25–30 of <i>Petals</i> .
,	
	(1)
	(2)
' ad 1	Chata tura urana that the massage from home 2° 27 different rays the massage f
(d)	State two ways that the passage from bars 25–27 differs from the passage f the work.
(e)	Describe how the cellist must play the sections between broken lines in bar

* The graphic is printed only in the soloist's cello part but does not appear in the score.



Stravinsky: Excerpts from The Rite of Sp

All timings refer to: Stravinsky The Early Ballet Scores, Track 6. Duration: 03:4 conducted by Gennadi Rozhdestvensky.

Example	Question	1	(A	Level	
---------	----------	---	----	-------	--

(a)	Explain :	the term 'tempo rubato' at the beginning of Adoration of the Earth
(b)	Describe	e the texture in at RM 6+4 in the following si
(c)	Explain	nord formation in the example below from bar 1 of <i>The Augurs of</i>

(d)		re the passage from RM 25 to the bar before RM 26 with RM 44–RN re different.

()		
(e)	Indicate	of the terms below translate the parform
		the box [] a Sen mark your new answer with a cross [X].
	Α 1	me more agitated slowly'
	8	'become louder little by little'
	C	'slowly increase the tempo'



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'become a little more expressive'

Example Question 2 (A Level)

Adoration of the Earth bars 5–6; RM 10–RM 11 and RM 13–RM 15; Augurs of Spill

Name ⁻	the intervals between the notes marked X, Y and Z.
The int	erval at X is
The int	erval at Y is
The int	erval at Z is
Ą	y y y y y y y y y y y y y y y y y y y
Compa	re the passage at RM 10–11 with bars RM 13–15 , referring to timbr

Indicat	
Indicat	e your answer with a cross in the box [X]. If you change your mind the box [X] and then mark your new answer with a cross [X].
Indicat throug A	te your answer with a cross in the box [X]. If you change your mind the box [X] and then mark your new answer with a cross [X]. polyphonic
Indicat throug A B	te your answer with a cross in the box [X]. If you change your mind the box [X] and then mark your new answer with a cross [X]. polyphonic polymetric
Indicat throug A B C	polyphonic layered polyrhythmic
A B C D	polyphonic layered polyrhythmic
A B C D Name	polyphonic polymetric layered



Example Question 3 (A Level)

Adoration of the Earth bar 1 - RM 3; RM 9-RM 10, RM 13-RM 15

(a)	Listen to the musical extract 05"-1':00". List any three instruments heard in
	(1)
	(2)
	(3)
(b)	Name the scale used in the following fragment of melody.
	accel
	The sca

(c)	Explain how Stravinsky uses repetition in the section from bar 1 to RM 3 of
7.10	
(d)	Compare the rhythmical differences between the passage from RM 9 to RM to RM 15.
	to My 13.
(e)	Describe the chord in the first bar on played by the string section of the





Example Question 4 (A Level)

Adoration of the Earth RM 32+2 (a); RM 14 (b)

(a)	Which t	wo instruments double each other in synco r	vation at the third bar a
	**********	and	
(b)	Describ	e the harmony of the following passage (the	instruments sound as
		Cor Anglais	
		Bassoon 9: 52 5 52	
		25 ^b 45	ķø.

(c)	Evalaia	the following two musical terms which appe	ar on the first name of t
(C)	Colla pa		ai on the hist page of t
		en dehors	
(d)		ne intervals played by the <i>cor anglais</i> in the e	example above [(b)].
(e)		of the following terms denotes the contrabas	
		your answer with a cross in the box [X]. If the box [X] and then mark your new answ	
	Α	drone	<u> </u>
	В	pedal point	
	С	ostinato	
	D	solid bass	
	£	<u> </u>	



Example Question 5 (A Level) RM 5-RM 4 71':28"-

(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition.	(a)	State two ways in which the passage beginning at bar RM 47 and ending at	
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.		passage between RM 5 and RM 7 inclusive.	
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.			
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.			
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.			
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.			
(c) Explain features of the writing for violas from RM 11 through to the bar beforms to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr to moto account the transparents.			
(c) Explain features of the writing for violas from RM 11 through to the bar befo (d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr (to 1) and account the transp	(b)	Describe the texture in the passage beginning 3.	
(c) Explain features of the writing for violas from RM 11 through to the bar befo (d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr (to 1) and account the transp			
(c) Explain features of the writing for violas from RM 11 through to the bar befo (d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr (to 1) and account the transp			
(d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr the incommon account the transparents.			
(d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr the incommon account the transparents.			
(d) Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rapt), 00:0 design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr the incommon account the transparents.			
design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr taken into account the transparents.	(c)	Explain features of the writing for violas from RM 11 through to the bar bef	
design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr taken into account the transparents.			
design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr taken into account the transparents.			
design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr taken into account the transparents.			
design of the music in terms of contrasting sections and repetition. (e) Identify the chord played by the French harr taken into account the transparents.	(d)	Listen to the recording from Track 3 (Ritual of Abduction / Jeu de rant), 00	
(e) Identify the chord played by the French trains taking into account the transport	(~)		
(e) Identify the chord played by the French trains taking into account the transport			
(e) Identify the chord played by the French trains taking into account the transport			
(e) Identify the chord played by the French trains taking into account the transport			
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(e) Identify the chord played by the French trains taking into account the transport			
(e) Identify the chord played by the French trains taking into account the transport			~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
relationship to the chord played by me an pers. PROTECT 7i9	(e)		8
7 i9		relationship to the chord played by me anpets.	PROTECT
7i9 7oo			
7ig 7ac			·
7!9 7 00			
/ac			<u>Z'</u> 9
			/ 00

>HT ED



Notes on the Examination: Se

The questions in Section B of the paper require longer and more discursive essay.

Their purpose is to offer opportunities for you to show that you have heard a wie extracts from the three set works and that you recognise any connections which works and wider listening.

The questions given here will allow for

- writing individual answers either in class or as homework
- group discussion to facilitate forming judgements an illustions
- a focus for a lesson
- a focus for further research (listening)

Section B comprises two was sumbered 5 and 6.

In question win listen to an audio of unfamiliar music which relates in some is provided. Task is to demonstrate any important musical links between the works which provide meaningful comparisons in terms of common links.

In question 6, you are expected to evaluate one of the set works. The evaluation different musical elements, such as harmony, melody, rhythm, structure or textus score is provided but there is no recording.

At AS, the questions will generally ask you to discuss two elements or features of core works; at A Level, there will be three elements or features to discuss.

Appendix 4 offers suggested works which have significant musical links with the exploring as 'wider listening'.



Sample Exam-style Questions fo

Section B Question 6

Question 6 focuses on the set works. A score (or extract) is provided but there is

The questions focus on musical elements within each of the set works.

The form of the questions will incorporate the command words (as listed previous evaluate the music.

As well as commenting on the score, you will hav to riste it to other works from you are familiar from wider listening (22 % a 3.4.).

Four questions for each with a period or full seriod seriod or full seriod or full seriod or full seriod seriod or full seriod seriod or full seriod seriod seriod or full seriod seriod

For the purposes of this guide, you will have to consult the scores which you have given where appropriate.

For AS, total marks are 20 and for A Level the marks are 30.

The Rite of Spring (three movements) - A LEV

- (1) Discuss the use of melody and rhythm in The Adoration of the Earth and Dan Spring) from The Rite of Spring. Your discussion should reference other relewider listening or other music.
- (2) Evaluate the use of texture and harmony in *The Augurs of Spring* and *Dance of Spring*. Your discussion should reference other relevant works such as set works.
- (3) Evaluate the use of texture and design in the movements of *The Rite of Spri*Your discussion should reference other relevant works such as set works, we
- (4) Evaluate Stravinsky's orchestration and use of instrumental timbre in *The Ri* work of at least one other composer. Your discussion should reference other works, wider listening or other music.

Petals - AS and A LEVEL

- (2) Discuss the musical Log hisation of *Petals* by Saariaho.
 Your description sould reference other relevant works such as set works, with
- (3) '... opposite elements here are fragile coloristic passages which give birth to rhythm and melodic character (which) pass through different transformation composer about *Petals*. Your discussion should reference other relevant we listening or other music. (A Level)
- (4) Evaluate the treatment of rhythm, melody and timbre in *Petals*.

 Your discussion should reference other relevant works such as set works, with the contract of the contra



Supplementary Dictation Exe

One of the most challenging parts of the course is melody dictation.

The following supplementary examples provide material for practice.

For AS and A Level, extracts in transcription and 'correct the melody' que from the set works or wider listening pieces.

For the purposes of this resource guide, for practice and to enhance family transcribed examples have been drawn from set works or related works.

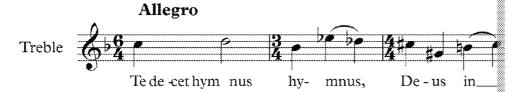
The dictations may be taken with the recording of shown or teachers may sheets to present the material on plants owner instrument.

The mark school is the exercises and is proportionally graded according

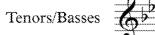
In the AS example will include up to nine notes (this equals nine pitch in the A Level exam, each example will include up to 12 notes (this equals 12 pitch)

In the examples below, fewer notes have been given to allow you to build up you

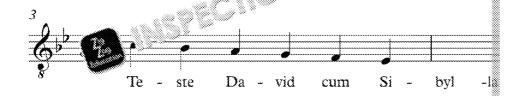
Supplementary dictation (1) Recording: Track 2, 0 - 6



Supplementary dictation (2) Recording: Track 5, 36" - 46"





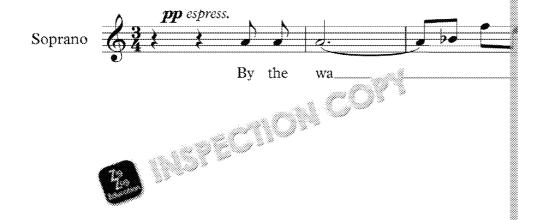








Supplementary dictation (5) Recording: Belshazzar's Feast, Walton, Parlophone, CBSO, Rattle Track 5, 1':45" - 1':57"





Supplementary dictation (6) Symphony of Psalms, Stravinsky, Track 1, 1':39" - 2':02" Sony Classical, CBC Symphony Orchestra, conducted by Stravinsky



Supplementary dictation (7) Piano Sonata, Berg, played by Gould on Sony Classical 'Sonatas Fantasies, Variations' Disc 3 track 1



Supplementary dictation (8)
Serenade for Tenor, Horn and
Strings, Britten, on Parlophone
0724355687159 Track 5, 00 - 24"



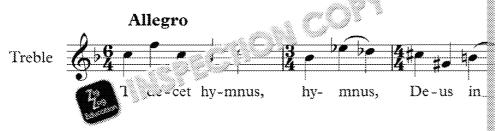


Answers to Supplementary Dictation

All of the following supplementary dictations have been compiled from either the to them, which serves to extend familiarity with those works. *However, dictation necessarily be so sourced*.

The mark scheme is proportionally graded according to the level of correct responsarks (up to 6 for AS and 8 for A Level) may be awarded in the exam.

Supplementary dictation (1) Recording: Track 2, 0 - 6

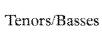


There are three notes to complete, meaning three pitches and three note length

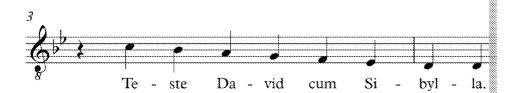
0 0 pitches and/or note lengths correct

- 1 1-3 pitches and/or note lengths correct
- 2 4–6 pitches and/or note lengths correct

Supplementary dictation (2) Recording: Track 5, 36" - 46"







There are four notes to complete, meaning on rule and four note lengths.

0 0 pitches and/or note len ನಿರ್ವಾಣಕ

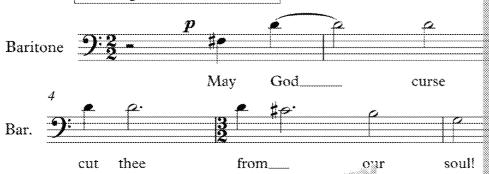
1 1–3 pitches /c sagths correct

2 4–6 pitch or note lengths correct

3 7–8 pitche or note lengths correct



Supplementary dictation (3) Recording: Track 11, 1':43" - 2':09"



There are three notes to complete, meaning thre pitch sand three note lengths

0 0 pitches and/or note lengths care t

11-3 pitches and/or not acing his correct

2 4-6 pitch

/o . ∪ ⊵aengths correct

Supplementary dictation (4) Recording: 4':43" - 5':01"



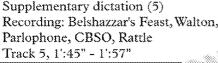


There are four notes to complete, meaning four pitches and four note lengths.

0 0 pitches and/or note lengths correct

- 1 1-3 pitches and/or note lengths correct
- 2 4-6 pitches and/or note lengths correct
- 3 7-8 pitches and/or note lengths correct

Supplementary dictation (5) Recording: Belshazzar's Feast, Walton, Parlophone, CBSO, Rattle







There are 4 notes to complete, meaning 4 pitches and 4 note lengths.

0 0 pitches and/or note lengths correct

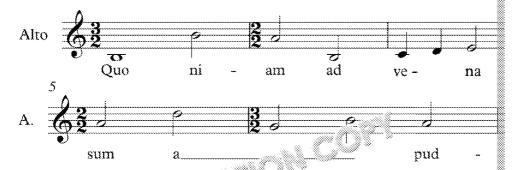
- 1 1–3 pitches and/or note lengths correct
- 2 4-6 pitches and/or note lengths correct
- 3 7-8 pitches and/or note lengths correct

Alternative recording: Willco 1 https://www.youtube.co

Pick up the soprano entry from



Supplementary dictation (6)
Symphony of Psalms, Stravinsky,
Track 1, 1':39" - 2':02"
Sony Classical, CBC Symphony Orchestra,
conducted by Stravinsky



There are four pate leve, meaning four pitches and four note lengths.

0 0 pitches a note lengths correct

1 1-3 pitches and/or note lengths correct

2 4–6 pitches and/or note lengths correct

3 7-8 pitches and/or note lengths correct

Alternative recording: Muti/

† https://www.youtube.com

Supplementary dictation (7)
Piano Sonata, Berg, played by
Gould on Sony Classical 'Sonatas
Fantasies, Variations' Disc 3 track 1



There are three notes to complete, meaning three pitches and three note length

0 0 pitches and/or note lengths correct

- 1 1-3 pitches and/or note lengths correct
- 2 4-6 pitches and/or note lengths correct

Alternative recording:

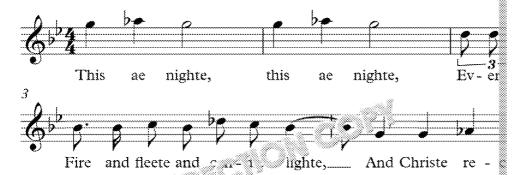
https://www.youtube.com/watch?v=7Lnh-1\1000 N Glenn Gould, 0—This is with the score so show following the melody.

Or use:

https://www.y: ்டி நட் அள/watch?v= QNk_A4Zol30 Gould on vided slower kir நடிப்பட்ட பிற interest to hear and see.)



Supplementary dictation (8)
Serenade for Tenor, Horn and
Strings, Britten, on Parlophone
0724355687159 Track 5, 00 - 24"



There are the other pitches and three note length

- 0 0 pitches any or note lengths correct
- 1 1-3 pitches and/or note lengths correct
- 2 4-6 pitches and/or note lengths correct

Alternative recording: Adrian Thomas, Tenor, Bournemouth Sinfonietta, conducted by Davide Lloyd-Jones — 00—25"

https://www.youtube.com/watch?v= EOAFtCQlvLw



Correct-the-melody Questions

In addition to dictations requiring the completion of a melody, you may also be a the music and then correct the melody by rewriting it beneath the incorrectly wre examination you will be expected to identify up to three errors. Regular training achieve this goal but a programme for that is beyond the scope of this guide. The may be useful as practice markers for your progress. The exercises are of variables

Teachers should use the answer section that follows to deliver the material. (The incorrect melody at A Level.)

One mark will be awarded for each accurately no atc. Surrection. Marks are on at error points – any incorrect notations will be agnored.



Supplementary dictation (10) AS level

Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version of the melody on the







Supplementary dictation (11) AS level

Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version will be melody on the

Moderato







Supplementary dictation (12) AS level

Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version of the melody on the sta





Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version of the melody on the

Moderato



Supplementary dictation (14)

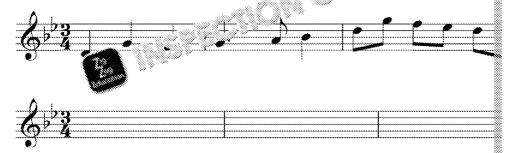
AS level

Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version of the melody on the

Moderato





Supplementary dictation (15) AS level

Listen to the melody.

The written music below has three errors.

Identify the errors and write the correct version of the melody on the

Moderato



Listen to the melody.

The music below has three errors.

Identify the errors and write the correct version of the melody below **Moderato**





Supplementary dictation (17) AS level

Listen to the melody.

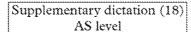
The written music below has three errors.

Identify the errors and write the correct version the melody on the

Moderato







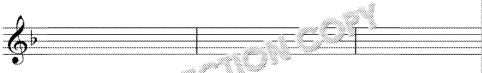
Listen to the melody.

The melody has three errors.

Identify the errors and write the correct version of the melody below.

Moderato



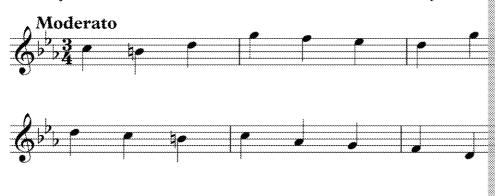


Listen to the lody.

Supplementary dictation (19) AS level

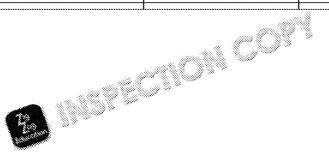
The melody has three errors.

Identify the errors and write the correct version of the melody below.











Supplementary dictation (20) AS level

Listen to the melody. The melody has three errors.

Identify the errors and write the correct version of the melody below.

Moderato

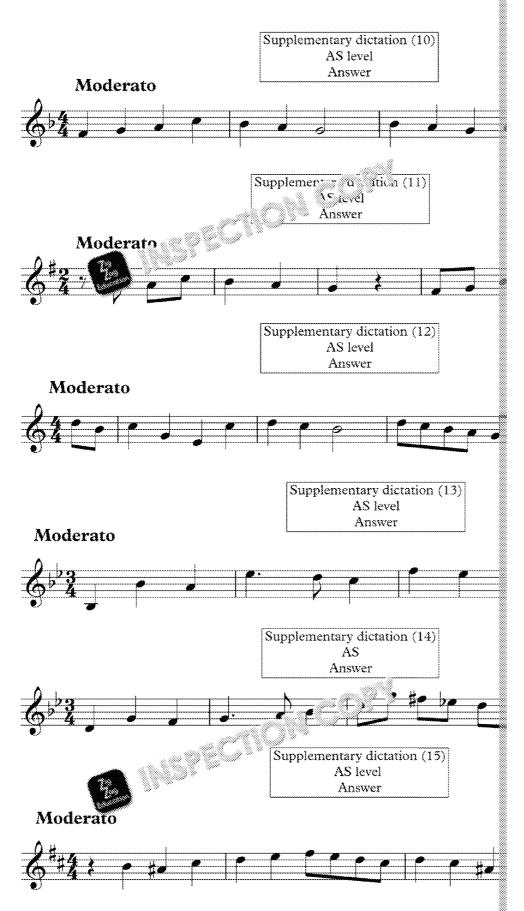






Answers to Correct-the-melody Questions (AS

Use these for the dictations.







Zig Zag Education

Appendix 1

Responses to Questions in Section A

Petals

Question 1

- (a) The low D\ below middle C as marked by the circle harmonic sign. = 2
- (b) The sounds are mostly transformed electronically but they originate from the such as using extra bow pressure, artificial and natural remonics, glissando use of microtones (quarter tones) also changed the ounds before they en
- (c) Reverb transforms the sounds for the end by enlarging its amplitude and the sounds of the glissian to retirer with quarter-tones, generate a complete rapidly layered ratio = 3
- (d) Bars 1- section begins 'da niente' (out of nothing) on a high artificial him modified with trills and a crescendo through to a 40% change in the reverbas 50%. The section crescendos to fortissimo and a rapid decrescendo to mezzo the sound is again transformed by increasing the pressure of the bow which scratching sound 'in which the audible sound is replaced by noise', as the not 4–7: This section contrasts with bars 1–4 as being more rhythmical. It uses are heavily accented and fortissimo. Reverb is set at 40% and the dynamic pp. The tempo and dynamic increase together coupled with a glissando effection. The simultaneous accelerando is indicated by the use of feathered bear
- (e) C add bow pressure to produce a scratching sound in which the audible pillinoise. = 1

Question 2

- (a) Bars: 13, 14, 15, 16, 17 (any two) = 2
- (b) The first two notes are to be played quickly, like grace notes as shown by the are indeterminate as shown by the lack of noteheads so the cellist has to follow only. At the same time, a glissando has to be achieved from the G# to the cellist has to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has to be achieved from the G# to the cellist has the cellist
- (c) Contrasts of timbre are achieved partly through the use of extended technic include applying pressure on the bow (as shown by the graphic notation), an and *arco* playing (not always shown in the score). Textural contrast is achieved pressure which both changes the timbre and the texture the reverb changes delayed echo effect overlapping with the original in littles. Texture is also stopped notes although they are mainly the residue. Mostly, the texture is no a hybrid polyphony by means a transformations. = 4
- (d) Any two ornament of a we rollowing: accacciatura trill mordent investigation
- (e) (A) -p (not shown in the score) = 4



- (a) The first section is characterised by the microtones, the brevity of each state notes appear to rise rapidly and a rapid rhythmical drive, although there is rhythmic pattern. The register is relatively low but quickly rises through the The initial dynamic is very loud (ff) but there is a degree of diminishing volumentes the section ends on a very quiet ppp. By contrast, the second section is rhytharmonics of both kinds as well as natural notes and has a soft dynamic curvature suggestion of an upper melody produced from the harmonics at c. 4':38.
- (b) Literally 'a little agitated' = 1
- (c) Reverb enters very slowly out of silence (da niente) rising to a mixed level of which represents the delay time of the 'echo' so that sounds in bar 1 are specified delay timing. = 3
- (d) H 50% indicates a pitch increase of a larger-tone where 100 cents is equal temperament. = 2
- (e) C the in a parmonics as well as natural notes. = 2

Question 4

- (a) Bars 21 to 24 each contain such notes.= 1
- (b) Bars 23 and 24. = 1
- (c) The motif can be said to be developed by means of repetitions of the initial for further each time, by rhythmic variation, with harmonics, by changes of tenselectronically, by trill ornamentation, and transformations by means of R are
- (d) Cello techniques used in *Petals* include natural and artificial harmonics, *glis* variable bow pressures for special effects and double stops. = 2
- (e) Discuss the use of tempo and rhythm in Petals.

Points to discuss should include:

- the absence of a fixed time signature
- the use of tempo rubato and variable tempos
- detailed tempo indications
- the use of fast gruppettos which contrast with moments of stillness and slow rhythmical moments
- some complex groupings with some degree of repetition but mostly valid
- use of a degree of indeterminacy associated with particular forms of no beaming or headless notes as groups of grace notes (e.g. bar 22).

Overall, the rhythmic character of the writing of ariable with contrastion rhythmic figures often at extremes; passage as fextreme business contrast of (Rhythm is not just about out to be in the for passage at 26 to the passage at 26 to the





- (a) The highest pitch possible at the extremity of the A string. = 2
- (b) Petals was not written as a result of precompositional analysis of the pitche Spectralism in its frequent use of harmonics. Sounds made by the cello beginners transformed through the spectrum of their harmonics by means of the harmonics.
- (c) Ornaments used include: trills and an accacciatura (grace note) in bar 27. = 3
- (d) Elements include microtones, frequent tempo changes, a dynamic range from harmonics, variable bow pressure, tremolandos and glissandos. The section animated, has contrasting dynamics such as from ppp to ffff, transformation means of variables on both R and H, frequent use of tremolo, includes glissal persistent pedal C (open string). The section from 20 to the end is less a of both R maintains a constant 30% setting until and the reverberation change to the end also includes the formula pressure changes as indicated by the black
- (e) Bar 30 s several ways of playing as in the piece as a whole. The cellist harmonies, using *glissandi* and trills, while holding the open C string. At the detailed in the score notes) indicates several changes of bow pressure. The line coupled with the *glissando* indicates extreme *vibrato* or *'glissando*... in constantly moving and thus creating a rich sound with vividly varying pitches

Metre and rhythm are affected by the **absence of any time signature** but the sections of the work introduces a degree of **indeterminacy**; rhythmic figures transformed in a form of canonic imitation by **the delay levels on the rever** another indeterminate element affecting the nature of rhythm and metre in some complex rhythms written, their context indicates that they may not be There are numerous changes of tempo indicated, such as *ritardando* and *tel*



The Rite of Spring (A Level)

Question 1

- (a) The term tempo rubato is literally translated as 'robbed time'. It is used to inclinivolving certain relaxing of the written rhythm to make a performance which found often in Romantic music (but never in Chopin whose music is often subjection).
- (b) The texture is homophonic but also showing parallel movement in 4^{ths}. The called organum or planing or simply parallel chords. = 2
- (c) The chord is a homophonic arrangement comprising two diatonic chords fusion an Eb⁷, the lower is Fb major (harmonically, E major) making the roots a semi chord formation may be described as pandiatonic or bitonal. = 3
- (d) RM 25 to the bar before RM 26: The principal feature at comparison are su semitone *tremolo* and *ostinato* figures in the stripe aboutling of *tremolo* in horn solo with answering phrase from a solo. With the combination of ost homophonic, supporting the meany.

RM 44–RM 46: Fens also a dominant solo horn part but it is less mely a hunt far in 5^{ths}; trumpets play the same four-part chord throughout have a laver divided figure outlining an F⁷ chord; the passage closes we feature the semitone alternations heard throughout the work. = 3

(e) [B] 'become louder little by little' =2

Question 2

- (a) X is an augmented 4th / tritone
 Y is perfect 4th
 Z is a minor 3rd = 3
- (b) Points to be made:

RM 10-11

- The orchestration is light in the sense that the melodic ideas are fragm.
- There is little doubling but some dovetailing, such as in the second triple
 picks up from the end of the flute traverso completing the filigree figure.
- In the bar before RM 11, high piccolo trumpet enters its distinctive time orchestral texture
- The orchestration of the passage demonstrates Stravinsky's subsequent and a rejection of the lush sounds of the strings with their strong associated
- Woodwinds are the predominant timbre
- The strings sustain a chord with a distinctive timbre from natural harm.
- The bass is a static pedal on B given a distinct timbre from the use of p.
- The piccolo clarinet has a high, distinctive timbre in the first ³₄ bar where it pla

RM 13-15

- This passage uses the string section in a rhythmical way and percussive
- The overall texture is homophonic and so cont w to wice the other passage.
- Eight French horns duplicate the chc d if the arings but as punctuating
- At RM 14, only cor anglais and a அறு pray in a two-part passage build ostinato and an arpe அறித்தின் C major; beneath, playing pizzicato, arpeggio figure அதிக்கு against the semiquavers of the woodwinds
- Or the passages illustrate the two kinds of orchestration in the interpretation of the interpretation in the angularity of modernism = 3
- (c) [D] Polymythmic = 1
- (d) Any of the following: flutes upper voice of oboes 2nd violins flute upp
- (e) Tempo is very changeable in bars 1-14. The section opens Lento but with 'temporal horn must play together very freely as marked 'ad lib'. By bar 5, the tempo chand the pause marks at the bar 1 and 6 also serve to express an almost improvis difficult to achieve. The opening tempo resumes at 'at tempo' but with another RM3. The 'espressivo' marking may also serve to suggest some flexibility of tempo begins to increase slightly to 'piu mosso' coinciding with the increase in



(a) Solo bassoon

French horns / horns in F

Clarinet in A

Bass clarinet in B

Piccolo clarinet in D (high clarinet)

Solo cor anglais = 3

- (b) The fragment of the melody is on a pentatonic scale (la-pentatonic, i.e. D#-F#-
- (c) Points to be made:
 - The notes of the solo bassoon melody repeat in a kind of circular motion melody unfold and circulate back and forth on one another
 - The grace note embellishment repeats always associated with the sam
 - The single grace notes are associated with B
 - The interval of a semitone, first heard in the wall-melody of the horn semitonal movement in the name of repeated 4ths beginning at bar 4
 - The final two bars of the pars 5 show Stravinsky's propensity to construction of notes which we seemed in different orders = 3
- (d) Points mail:

RM 9-

- The mythms are decorative filigrees
- The melody lines are in tuplets of tens, 5s, 6s
- Tuplets play against other tuplets such as the triplet subdivided in the (RM 9+1)
- The combinations of quite complex rhythmic figures create a delicate p
- The rhythms combine in a two-part, then three-part and finally a four-part continuous = 3

RM 13-RM 15:

- Rhythms are motoric and ostinato and vertical
- Accents offbeats
- The motoric quaver pattern follows at RM 14 but combined with a semi manner
- A change occurs as RM 15 begins where triplets sound against the regularized chords with accacciatura = 2

Question 4

- (a) Bassoon and cellos = 2
- (b) The harmony is formed from a combination of two main diatonic triads. The which combines with a C major arpeggio in the wind instruments. The root and, combined with the cor anglais ostinato, form a diminished 7th chord combined is pandiatonic or a hybrid from two different keys or scales. It can also be combitonality is actually established. = 4
- (c) Colla parte is translated as 'with the solo part' and the solo bas playing of either a singer or another solo are translated, the solo bas metronomic and quite free so the solo has are correct and cued by the ologita not the written music itself.

Un peu exishes is sets that the player gives a little more emphasis or proson in teat; the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has to play more prominently the solo piccolo clarinet has to play more prominently the instrument in the solo piccolo clarinet has the solo piccolo clarinet has to play more prominently the solo piccolo clarinet has the solo piccolo clarinet has

- (d) Minor 3^{rd} (Db to Bb) and a perfect 4^{th} (Eb to Bb) = 2
- (e) [B] pedal point / pedal = 1



(a) Some points to be made:

RM 47 - double bar

- Strings most prominent
- Brass and woodwinds punctuate with chords
- Variable time signatures changing with chord interjections
- Inner pedal on C in violas
- Contrast in the horizontal/melodic movement and the vertical movement

RM 7 -

- More melodic and semi-polyphonic
- Horn has its semitone figure from the opening of the work
- Homophonic passage of parallel chords
- Trill on A in violas
- The chromatic figure under some extension/development
- Cor anglais has a produce of the lodic entry = 2
- (b) The te consistently homophonic consisting of fast-moving parts some
- (c) The violas play a form of *glissando* on natural harmonics outlining *arpeggio* semiquaver groupings. = 2
- (d) The design or structure is **sectional** or **episodic**, beginning with the continual different melody strands in glittering orchestral colour. The brass sustain a trumpets play a fast version of a melody derived from the bassoon opening double-tonguing effect. The horns sound a hunting call featuring a 5th which a marker for one of the episodes. The principle motif is modified at the end the changes of time signature. As with much of Stravinsky, the structure ret move from one idea to the next without very much development in the trad
- (e) The French horns play a C major triad but the trumpets play the chord of do dissonance. The horns transpose at the 5th but the trumpets are 'in do' and





Appendix 2

Glossary of Key Terms Used in the Text and Use

NOTE: The glossary of terms is included for two reasons: firstly, to explain terms which might not already have been encountered or understood; seekind of language which is needed to discuss the works in New Directions be able to discuss them correctly. One of the perceived changes in the nexpectation that students should make informed judgements on the music, music and to demonstrate understanding of the music chnically as well a critically. It is, therefore, important that studies a constitute and are able to and others which are also relevant that studies a listed. The role of discussion other music can be a vital way and contained and acquisition when make Directions.

	> ``
Anacrusis	An upbeat which starts a melody or phrase often on the last be strong beat. The terms can also apply to sections of music whe more significant section.
Antiphonal	Antiphonal imitations occur where one phrase is either repeat instance) or is answered with a different response. Antiphonal 'responsorial'. (In the context of the works discussed here, do though it means the same as antiphonal.)
Appoggiatura	An appoggiatura is a dissonant grace note or ornament (embe approached by a leap but is then resolved by its following har appoggiatura is most commonly down to the consonance or so In atonal serialism, it is difficult to avoid the sense of a series of derived from the Italian for 'leaning' so there is the indication resolution.
Atonality	Music which is not in a key and has no clear tonal function.
Binary	The term describing music which has the basic design in two s
Bitonal	Music is in two keys at once. The composer Darius Milhaud, for there are passages in Britten which may be so described. In res simultaneously appear to be unconvincing.
Bridging episode	The term refers to a short passage of music which links one im term 'bridge' is synonymous but best reserved for discussion o symphonic music.
Cadence ('cadential role')	A cadence is a clear moment in a piece of music when it either move further on. A cadence in tonal music is of four types: Per V), Plagal (IV–I) or Interrupted (V–VI/" c.). Characterising conly part of the explanation considerably in different volume Aiso, there are other types sure the idea of cadence to it of the important divisions within a work. Cadence generating ideas but joining them togeth
Cantus	A melody embedded into a contrapuntal texture which does not for counterpoint woven around it.



\$0000000000000000000000000000000000000	paraneonononononononononononononononononono
Chromatic	Chromatic refers to the frequent use of semitones. The chrom semitones encompassing 12 notes from which the 'twelve-not also be used to suggest colouring as where a diatonic melody (contains a few semitones not in the scale but added for coloris
Cluster	A set of notes (often chromatically close) which does not have
Combinatoriality	A mathematical term applied to a technique used by Schoenbe Orchestra and Opus 33a. It describes a technique whereby two row are combined without pitch repetition as in P-0 + I-5 in Op
Continuous variation	The idea of continuous variation was a phrase used by Schoen circulation of forms of a note row within a piece of serially con describes what might be called the background rather the fore variations of themes but of basic building material.
Contrapuntal	Contrapuntal describes a musical the comprising two or mathematical the complex contrapuntal the constant place of the combines and the combines the combines and the combines and the combines and the combines are the combined with itself but the combine a melodic idea is combined with itself but the combined tonal development. In the fugue, the idea of a (contra-punctum') is most clearly evident.
Contrapun	A short musical idea or motif which is used constantly within a
Crotchet triplet	A rhythm pattern where three crotchets are played in the time indicates similar patterns such as 'sextuplet', 'quintuplet'.
Design	Design is a part of the concept of musical form and relates to a sections within a piece. Typical designs are unitary (a single prepisodic/rondo. Design is shown by allocating a letter to each ABACCA, etc. The term is not synonymous with form per se all
Diatonic cluster	Diatonic refers to the system of major and minor scales and the is a set of notes formed from close intervals such as CDEFG all particular cluster is diatonic since all of its notes come from the sharp, the cluster would become chromatic — CDEF#G and mot distinguished from, for example, triads or dominant 7 ^{ths} or any
Diminished triad	Typically, the triad on the 7 th of the scale is a diminished triad Analysed, the triad comprises two minor 3 ^{rds} and the outer int example, B–D–F or D–F–Ab.
Dissonance	In general, musical dissonance is a relative concept. If two or a different sounds are perceived as a resolution, the first sounds dissonant. The sounds of resolution would then be described intervals of minor and major 2 ^{nds} , a perfect and augmented 4 th dissonances. The remaining intervals are consonances which the dissonances so that, for instance, a 4 th may resolve to a 3 rd or a ln some medieval music, the perfect was sonot managed as a corganum in some cases. In a sine set 3 ism, dissonance and conschoenberg was satisfied 5 th /tritone) was considered highly display the secame a commonplace eventually, almost not resolved.
Dodec:	າງ ກາງກ່ວນກວນກວບຮານith 'twelve-note music'. It should be avo ກ່ານ hard to say.
Dominant 7 th (V7)	The dominant 7 th is the four-note chord built on the dominant and comprises the root (the dominant of the scale), the 3 rd abs above that which is the 7 th from the root. In the key of D, the chord is, therefore, A-C#-E-G; in the key of interval formed by the first and the fourth notes is a dissonant.
	second and fourth notes is a very dissonant diminished 5 th . The especially in a securely tonal context requires resolution to the important for establishing a key.



Dyad	A term synonymous with 'interval' between two notes or, to po
Enharmonic	This term refers to different denotations of pitches such as cal examples are enharmonic equivalents, viz. the same sound wr change is necessary in modulation between keys which share of therefore, be written differently and occur in more chromatic
	changes.
	Characters in opera or oratorios or other similar dramatic forn
Exclamatory	connecting dialogue as recitative or a recitation. The music is
recitative	of a complete melody as such and the accompaniment is simple distinguished by its forcefulness in expression.
	The exposition is the first part in the design of sonata form. In
Exposition	describes any part of a work where initial deas are presented
	words, the ideas are 'exposed' or a sale 1'.
	Expressionism is a term given to supplied art and music. The Expression with artists such as v
	painting reme 1 purpress not just the external world but the i
	t ുറുത്തു. ജി. Munch's <i>The Scream</i> will give you the idea as v
a	r ap known as Die Brücke (The Bridge) which included artists s
	Karl Schmidt-Rottluff. Schoenberg himself was a painter and his example of Expressionism. The playwrights August Strindberg a
Expressionism	about people's private lives and inner emotions and thoughts w
	approach to art. The composer Alban Berg adapted two of Wed
	for his opera <i>Lulu</i> which also exemplifies some of the intentions
	term is often linked to twelve-tone music and with Schoenberg be disturbed, changeable in mood, troubled even, and unsettle
	Schoenberg's twelve-tone style is, however, not strictly Expressi
	Verkläkte Nacht, Op. 4 and Fünf Orchesterstücke, Op. 16 are mo
Figuration	Use of different figures or melodic ideas. A single chord, for e
***************************************	broken form as figuration: a simple arpeggio is a form of figuration. Commonly, this term refers to how a piece of music is seen to
	common forms are cited as binary (represented as having A +
	rondo (A–B–A–CC–A or in some other variant). However, the
Form	instances relates more to the general design of a work. In son
	design is evident; but, to describe its form, reference has to be expressed in its tonal relationships through which a more subt
	So, form can be understood on different levels: its surface des
	Common triadic tonal harmony is functional in the sense that
	one to another; they function together to establish a key, for e
Functional harmony	when trying to distinguish secure tonal harmony from music in so much it no longer has an unambivalent tonal direction. The
t witchould flatfillorly	relate functionally to establish a key, for instance. Chordal ha
	sonorities rather than harmonies in the functional sense. Non
	difficult to establish in a piece of music.
	Graphic notation (and graphic scores) are pictorial representate the more precise form of staff notations like the more precise from
	associated with the drama. இதில் ores were adopted part
Graphic notation	others, including Saari h . "w this link to see some examp
	https://www.e.y.i/search?q=graphic+scores+by+cage
	bo=u^ ce=_n\v&sa=X&ved=0CBsQsARqFQoTCMb0g_TZisk
Harmonic in val	otes sounding at the same time rather than in succession
Harmonik n	The rate of harmonic change or modulation.
***************************************	Notes which are generated from a fundamental. Similarly, ext
	played on some organs are almost physically sensed rather he
	body shakes rather the ears hear.
Harmonics	The note C as a fundamental, for instance, generates the octav
	the major 3^{rd} , the major 2^{nd} and the minor 2^{nd} . Further harmo
	called upper partials. The presence of harmonics varies betwe
	contributes to the timbre of an instrument.



	A rhythm pattern in the ratio 3:2 or 2:3. For instance, a rhythn
Hemiola	triple time by shifting the accents. This is what happens in the
	H 6 becomes H
	Side Story, e.g. 1 like to be in A me - ri - cs
Homophonically	A melody in an upper voice which is harmonised or in another
supported melody	the form of chords. Hymns are generally melodies with homo
	A musical texture and device which develops from a single me
Heterophony	by means of, different rhythms or arrangements of the same s
	include varied elements.
Hexachord	A set of six notes. In twelve-note music, hexachords are used
	aggregate.
Rus data um in a au	Indeterminacy can be thought of as a principle of musical cons
Indeterminacy	are not precisely written down b ്രാത്രയാ poser and so are, to and unpredictable.
	Chromatic inversion 1 seved by counting the same number
	in the sale is the same number
	in the 100 Miles governors, e.g. C-D when chromatically liverted
Inve	പ്രദേശ inversion displaces the second note of the interval to a
	starting point, e.g. C inverted diatonically gives the D below and
	7 th . The technique is common in different musical styles and in
B. O 8 *	A sung phrase on a single syllable but using a series of notes.
Melisma	singing is one note for each syllable.
Melodic interval	Two notes played in succession (as in a melody).
	The term describes music which is composed from brief melod
Motivic	motif/motiv is a small singular idea, usually melodic. Think Be
	opening four-note motif.
	Modulation is the process whereby a new key is established in
Modulation	sudden change. (Sudden key change is common and can have
	modulated key change is achieved by the use of harmonies wh
***************************************	and the key being moved towards; by that means, the process This refers to change in time signature or a dominant rhythm p
Metrical modulation	achieved – or modulated. For instance, a ⁴ 4 pattern might mo
	Literally, a row of notes used as the basis for a serial compositi
Note row	simply 'series'.
	A melody which moves by step (conjunctly) can be transforme
Octave displacement	octave higher or lower and so changing the contour of the me
	melody can be played C–D'–E where the D has been displaced
	Parts moving in parallel and often on 4 ^{ths} or 5 ^{ths} form a basic t
Organum	as 'parallel organum'; if there are small melodic inflections add
	A short musical idea – often melodic – which is repeated sever
Ostinato	accompaniment to other layers.
	Any pitch generates a number of further nitches above the ma
	'other pitches' are ignored when we let to music as we conc
Overtones	'fundamental'. The notes garer 🐤 నింగల or from the fundar
	first harmonic is the asset overtone. Unless you are a p
	can be – a was simately used synonymously. Overtone
	a A S S Serie Stravinsky uses harmonics (natural and artific
Paline	്ലാody or entire piece of music in which the second part is t palindrome is, for example, ABBA since it is the same in revers
	paintarone is, for example, ADDA since it is the same in fevers



ç		
Pandiatonic	The use of diatonic chord and harmonies but in unconvention	- 33
ranualone	of harmonic progression which could be anticipated. Stravins places.	
	Where two parts move together and maintain the same inter-	Ä
Davallal arcanum	parallel organum. Common in some medieval music, parallel	
Parallel organum	4 ^{ths} or 5 ^{ths} ; where it appears in parallel 3 ^{rds} , it is called <i>gimel</i> .	
	can be used.	
	A sustained single note (more often than not in the bass, but	
Pedal point	moving parts which are dissonant against it. Pedal points or s	
	dominant of the prevailing key and create dissonant tension be. The term describes music based on one of the pentatonic scal	****
	depending on whether starting in do, re, mi, so or la. Pentato	- 000
Pentatonic	although, in some contexts, they may have ecorated with othe	- 00
	themselves do not alter, how give:	
	A chord common to a 'a as we'll as to the one being approac	
Pivot chord	example, II in Continuous paar during a modulation to A minor	200
	The change of the two keys and sm	0
	Single note is relatable to anything but the silence it prece	
	another note (pitch) is heard after the first, a relationship is the	
	scale of C, a C followed by a G can be heard as a tonic/domina	- 000
	subdominant relationship. In other styles, such as atonal seria	
#95a0 6 . × *	heard in those ways but simply as consonant or dissonant inte	100
Pitch relation	relationships. In another sense, a series of pitches may be inv	
	relationship; similarly, the pitches (intervals) may be played in relationship.	
	relationship.	
	The term describes perceived connections between different	r
	to point to any formal links that are, therefore, generated.	-
	Modulation is usually used to describe the measured process	100
Pitch modulation	which is sudden. The phrase 'pitch modulation' derives from like an analogy. Where, in a serial work, there is a distinct cha	- 000
i ittii iiittaaaaaaa	of different forms of a row, pitch modulation can be identified	
	field of electronics but that is not relevant in the context here	- 22
	When setting a text, composers sometimes like to express an	
Pre-echo	musical figure. Sometimes the musical expression and its poe	
	afterwards, like an echo. Sometimes, the musical expression	ैं
	then said to 'pre-echo'. The principle of non-repetition relates to Schoenberg's twelve	
	repetition of the twelve notes within any row and by only usin	
Principle of non-	before revisiting the row (perhaps in a transposition or some	22.
repetition	certain notes to begin to sound as though they have tonal fun	Ċ
	altogether. Schoenberg's pupil, Anton von Webern, adopted	t i
	his teacher.	
Quartile harmony	Harmony which is formed from superimposed 4 ^{ths} . It is distin- built in 3 ^{rds} .	
Register	The term describes whether and in a low, middle or high in a relatively lower reasons are two octaves above middle.	
Kegistei	important in a	
	If or follows another in its strict order, such as if you pla	Š
Registral	ાર્ટ erery in succession; if, however, the D and the E were pl	
displace	octaves, they would be displaced. Octave displacement is sor	n
	technique of melodic development.	
Retrograde	Any idea, but usually melodic, played in reverse.	
Retrograde inversion	Any idea, but usually melodic, played in reverse and in inversi	C
Rhythmic	A melody whose notes have been lengthened is said to be rhy	
augmentation	progression could also be rhythmically augmented.	
	The term applies to diatonic harmony in which chords are the	100
Root movement	note it has been built on, e.g. C–E–G. Whether in inversion, o	- 000
	is still C. In diatonic harmony, the progressions are made secu	
	always by the bass notes alone.	



Saturated chromaticism (see Chromatic) Serialism Series Music which is very chromatic making it lack a secure tonal chromatically saturated, meaning the music has soaked up much more. That is why Schoenberg devised his new system inclusion. The idea of ordering notes in a particular way which can be composition A row of notes. Later, in total serialism or integral serialism dynamics or registers. A sequence occurs when a melodic line repeats a few times	so m t m t use n, a bou bou
Serialism The idea of ordering notes in a particular way which can be composition A row of notes. Later, in total serialism or integral serialism dynamics or registers. A sequence occurs when a melodic line repeats a few times	n, a s, m bou s ar
Series A row of notes. Later, in total serialism or integral serialism dynamics or registers. A sequence occurs when a melodic line repeats a few times	s, m bou s ar
s vanuanca	bou s ar
keeping its intervals intact.	s ar arou
Sonority A quality of a sound, often a chord, describing something a like its timbre. A sonority may be a chord but not all chord	7
Sprechgesang is a German word which first came into use a Lunaire was written. It is a vocal to a que involving the si immediately falling away from it so natimes, the pitch is more create a sense of recombined in the combined in the comb	
Stretto Where two in the area of a sare drawn together, e.g. in a fug of the same of the	e fra
Struction of the strophe has its origins in Greek drama but now research by extension, the term is used sometimes to refer to a part words. (See Strophic)	icul
Strophic A song or vocal music which divides into a verse and chorus and chorus are the same or where all verses are the same	
Musical structure relates to the idea of musical form and it synonymous. Structure concentrates not on the broad des exist within a composition, such as its key relationships or i other ideas emerge. The background analogy is of a buildin might be used as the foundations; the web of contrapuntal various parts of the building in the foreground. The terms nuanced in their meanings but often used interchangeably meanings.	ign ts u ng. ide 'des
Syllabic Words are set to music either with one note for each syllab The first way of setting is called 'syllabic', the second is call	- 2
Symmetry Symmetry in music describes the balance of phrases, e.g. A sonata form ABA.	
Temporal Simply means time or concerning the time element in musi	с
Ternary A design in three parts where the first is the same (or near	y th
Tessitura The range of an instrument or voice as written in a piece of for me being from middle C to the G two octaves above!'	mι
Through-composed A song which uses different music for each verse or chorus composed. The term is, in its usual application, the opposit music may be so described if there are no clearly delineate same.	te o
Tetrachord The term does not refer to a chord but to a set of four note in the range of a perfect 4 th , e.g. C–F	s (t
The term refers to the use of the on prising distinct mused in conjunction to the advancement piece of music. The work in several we want could show some themes used therefore a delice of structural unity.	nem
Timbre is distinct from pitch or intensity and is what makes violin sound like a violin.	



Tonality	In the diatonic system, tonality refers to the quality which mak In the modal system, the modes may also be described in term major or minor. For instance, a Dorian mode has a minor tona is a minor 3 rd ; the Lydian mode is major since its first 3 rd is a m Schoenberg provides ambiguity when ascribing definite tonalit
Tonic minor	The first note and triad of a major scale is called the tonic; if th called the tonic minor. A piece in D major which then appears minor. Tonic minor is distinguished from the relative minor (in minor).
Triadic	The term describes musical ideas, which are usually melodic, striads. Melodies formed from rising 3 ^{rds} or inversion of a triad
Trichord	Surprisingly, the term has nothing to overheads. A trichor
Tritone	A tritone is an interest opening three tones and as such form be written and as such form a said minished 5th. It
Tone row	'ా ం ్రాణక (tones) used in serial music.
Total se	Also called 'integral serialism', the term denotes a system in was serially and not just the pitches. Dynamics, attack, register, the and manipulated as such.
Transposition	Music changed from one pitch to another is said to be transpositions. Similarly, a passage of music originally in one key but then place transposed. Several instruments (trumpet, clarinet, double bass and many ot instruments since their written music will sound at a different pit is described as being 'in Bb' meaning that its written notes sound
Twelve-note (tone) serialism	The system developed by Schoenberg whereby all the 12 note form a note row or series from which music can be formed.
Vertical rhythm	Rhythms are commonly perceived horizontally but in music wheresult as vertically perceived.
Voices	The use here is not to denote soprano, alto, tenor and bass sin correspond to those vocal registers even in instrumental music
Whole tone	A scale which includes only intervals of a whole tone is a whole
Word-painting	A technique used in setting texts in which images in the text at

NB Not every term in the catalogue here is relevant to the set works. However, some are the twentieth century in general.

serving to express something of the meaning of a word or an i





Appendix 3

YouTube-ography:

Stravinsky

- If you lack enough scores at the moment, try this performance which shows https://www.youtube.com/watch?v=FFPiFiUonX8
- ** For a tele-documentary reconstruction of the first performance: https://www.youtube.com/watch?v=JcZ7lfdhVQw
- Follow this link to see the original choreography by Fig. sy recreated by Ball designs. (Compare with the classical ballet vance neglected the *Rite* in the pathe sensational contrast). This vide the sensational contrast. This vide the sensational contrast which seemed to have carried many and be subtle than did Stravinsky's music (which clearly due to the time. The should preview the production for sensitive https://www.com/watch?v=jF10QkHybEQ

Saariaho

- for a concert performance of *Petals* follow this link: https://www.youtube.com/watch?v=wkmzXHTrixI
- To hear a discussion on extended techniques with Saariaho and others follow https://www.youtube.com/watch?v=T32QIOAxrlo

Appendix 4

Wider Listening

New Directions – some further avenues

Below are a few suggested works for wider listening.

Section B Question 5

Petals

- Répons (1981) for chamber ensemble and live electronics Pierre Boulez (1986)
- ...explosante –fixe...[A work written by Boulez in memoriam of Stravinsky in solo flutes, ensemble & electronics
- Anthèmes 2 for violin and electronics (1997)
- Elektronische Studie II (1954) Karlheinz Stockhausen (1) 28–2007)
- Gesang der Jünglinge (1956)
- Kontakte (1960)
- Hymnen (1967)
- Désert (1954) Edac 22 2 2 2 2 1883–1965)
- Poème المحدد الم
- Les especial constiques (five pieces from between 1976–1985) Gérard Gris

The Rite of Spring

- Scheherazade (1888) Rimsky-Korsakov (1844–1908)
- Prélude à l'après-midi d'un faune (1894) Claude Debussy (1862–1918)
- La mer (1903–1905)
- Jeux (1912)
- Concerto for Orchestra (1943) Bela Bartok (1881–1945)
- The Wooden Prince (1914–1916)
- Dance Suite (1923)



Bibliography

The analytical discussions of the three set works and sections of works are the ausome significant texts which have been referred to and which have provided clark cases. The listed bibliography is intended for those who like to read around their check details cited here. The primary sources for the examination are always the goes with them. Analysis of works is usually more revealing and enlightening that thoughts, but the texts listed may help.

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- http://rogerharmar.net
- https://rogerharmar.bandcamp.com



