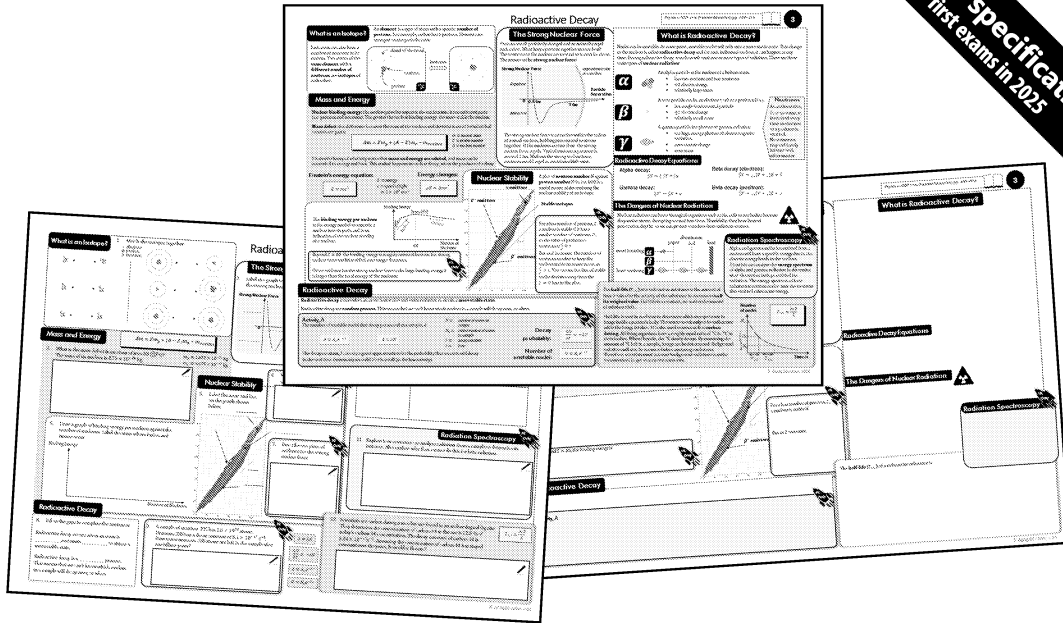


2023 specification
first exams in 2025



Topic on a Page

for IB Physics:

Theme E: Nuclear and Quantum Physics

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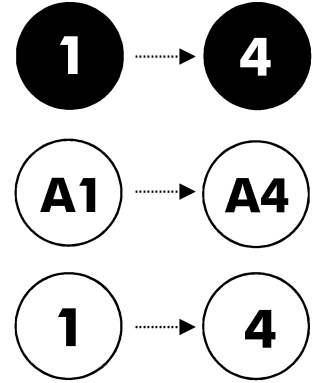
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Teacher's Introduction

This topic-on-a-page resource has been designed to help your students revise the key points of each topic and test their knowledge after you have taught each section of the **IB Physics: Theme E – Nuclear and quantum physics** specification from topics 1 to 5. Each page is closely tied to the IB specification, ensuring all aspects of the course are covered.

There are four sections to this resource, each with its own features:

1. **Summary posters:** these are the main pages which intend to clearly consolidate and recap all the key information from the IB Physics course.
2. **Activity worksheets:** these are identical to the summary posters, but contain a variety of tasks, from filling in missing words to performing calculations. The activity worksheets aim to ensure the student understands all the key knowledge required of them and gives them the opportunity to demonstrate how well they have remembered and understood the content of the course.
3. **Outline-only pages:** these are the summary posters, but with most of the content removed. Students can research the topics, e.g. for homework, and fill in as much information as they can.
4. **Mark scheme:** full answers for the activity worksheets.



The summary posters, activity worksheets and outline-only pages are designed to be A3 size, although they are still useable at A4 with no loss of detail. When photocopying activity worksheets on A3, we suggest photocopying the relevant summary poster on the reverse. If using at A4 size, we suggest photocopying each A3 'worksheet' (for writing answers) as a double-sided A4 page to avoid shrinking the space available for answers.

Each page presents information in a variety of ways, including:

- **Bullet-point processes** – complex processes and lists have been summarised into quick, easy-to-learn points.
- **Illustrative diagrams** – detailed diagrams that visually represent a concept or an event.
- **Method and calculation boxes** – concisely state the equations used in required calculations.
- **Tips and tricks** – extra useful information that can help students when solving problems.

We hope you find these pages useful during your teaching and your students' revision.

September 2024