★ UNITS 1&2 ★
NEW FOR 2021

INTRODUCING THE
UNITS 1-4
EDROLO PHYSICS
TEXTBOOKS

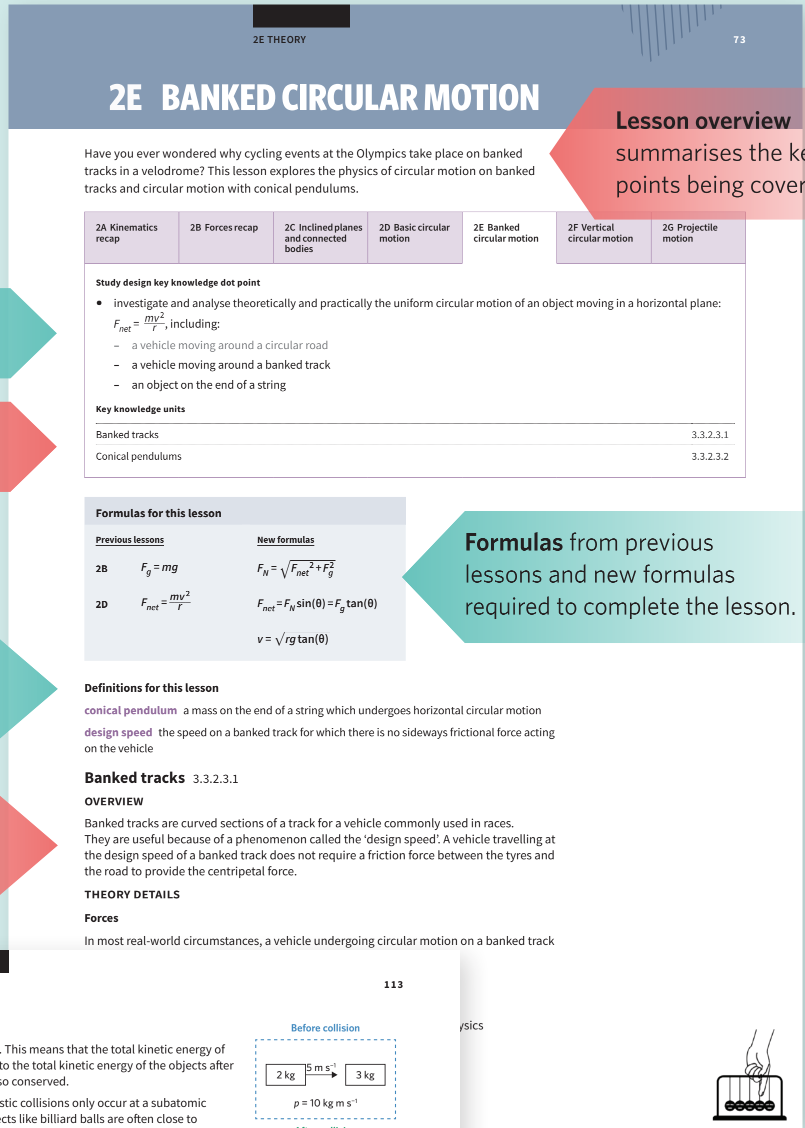
Edrolo

VCE PHYSICS

Units 1–4

- **VCAA-style questions** based on a thorough analysis of over 900 exam questions
- **Previous lessons questions** that cover concepts from previous lessons to promote recognition of theory out of context (like in an exam) and to consolidate concepts through spaced repetition
- **Exemplar answers** with a **checklist** and **video solution** for every exam-style question
- **Chapter and AOS review tests** for valuable SAC & exam practice
- **Concise theory** covers the core knowledge required within the scope of the VCAA Study Design
- **Theory summaries** concisely reiterate the key points from the lesson.
- **Key Science Skills & Practical Investigations** covered in a dedicated chapter, with Key Science Skills questions in every subsequent lesson
- **Units 1&2 revision lessons** to ensure all students start with a foundational knowledge of physics
- **Edrolo Theory Master videos aligned** directly to textbook chapters
- **Full lessons dedicated to difficult concepts:** deep dive into areas of the Study Design students find most challenging:
  - Oscillating springs
  - Key science skills
  - Electrical power transmission
  - The photoelectric effect

AT THE **BEGINNING** OF **EACH LESSON YOU WILL FIND**:



Lesson overview summarises the key points being covered.

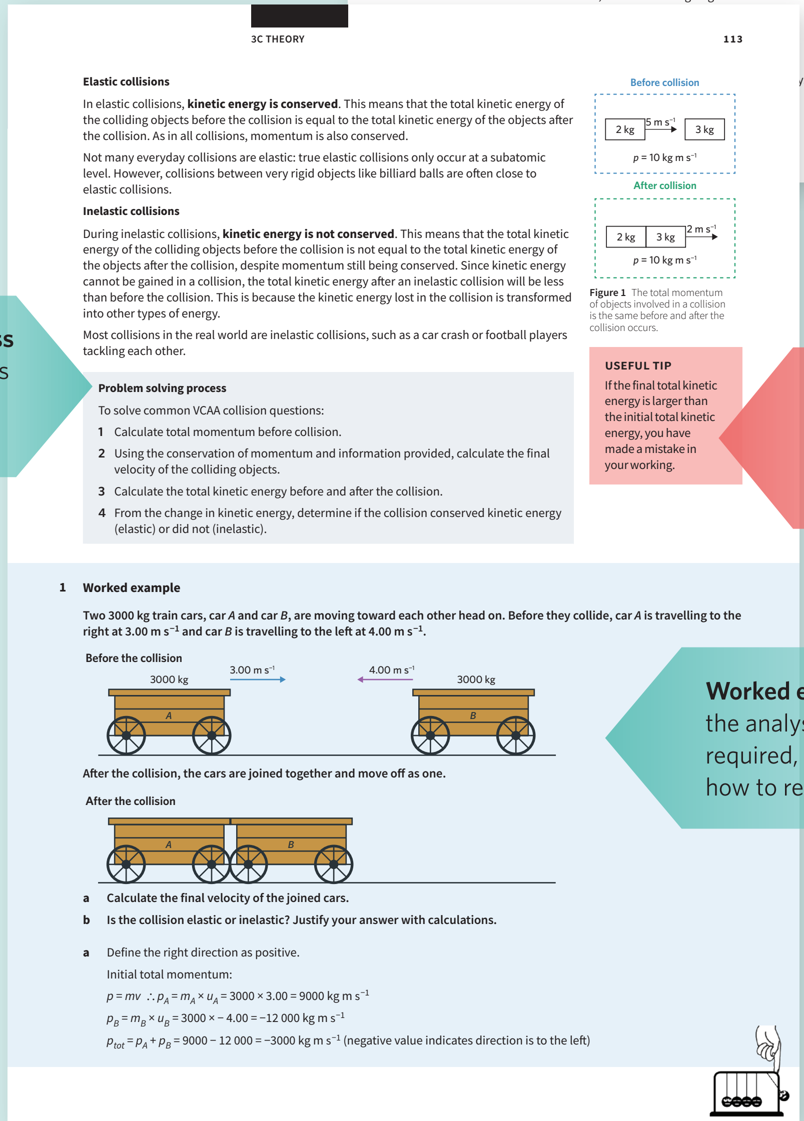
Key Knowledge dot-points from the study design provide explicit links to the syllabus.

Key Knowledge units show a breakdown of the lesson.

Formulas from previous lessons and new formulas required to complete the lesson.

Key terms and definitions are listed at the beginning of the lesson. All key terms are collated in the glossary in the back of the book.

Knowledge Unit overview provides a brief description of what will be covered next using basic terminology to introduce concepts.

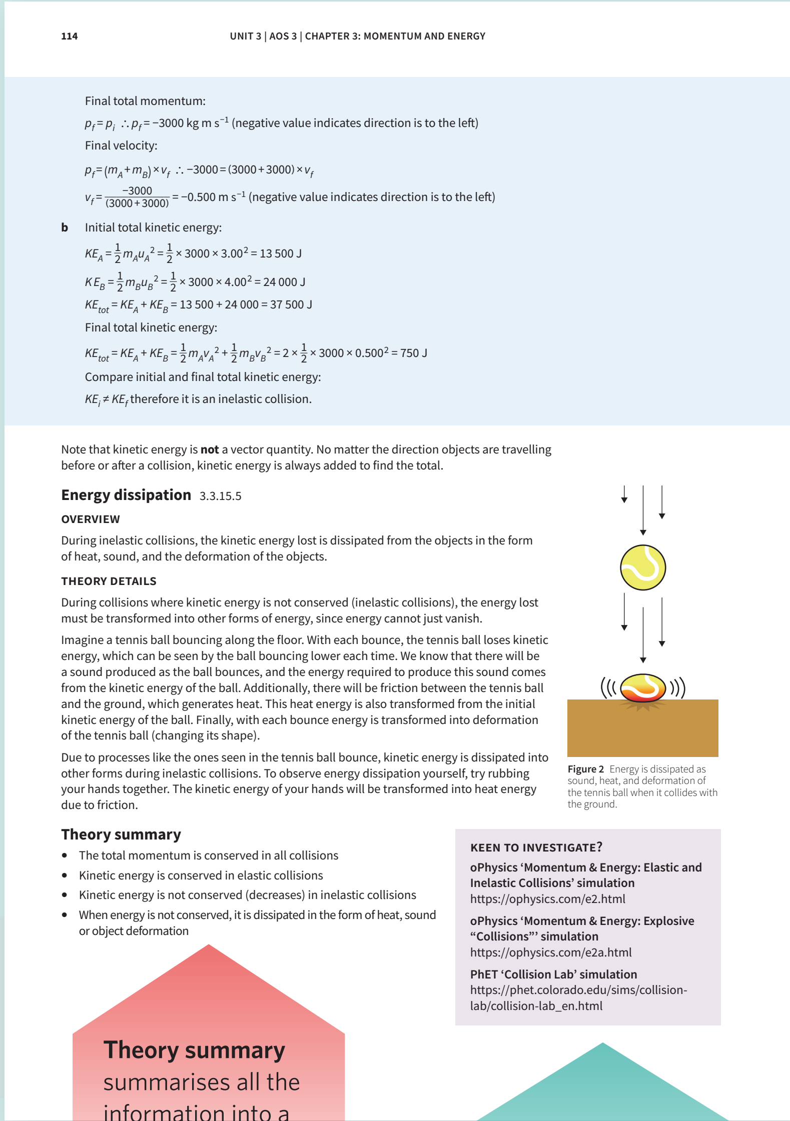


Problem-solving process introduces new methods of problem-solving, relevant to the lesson.

Useful tips provide important insights into what VCAA assessors look for in exam responses and bring students' attention to common mistakes.

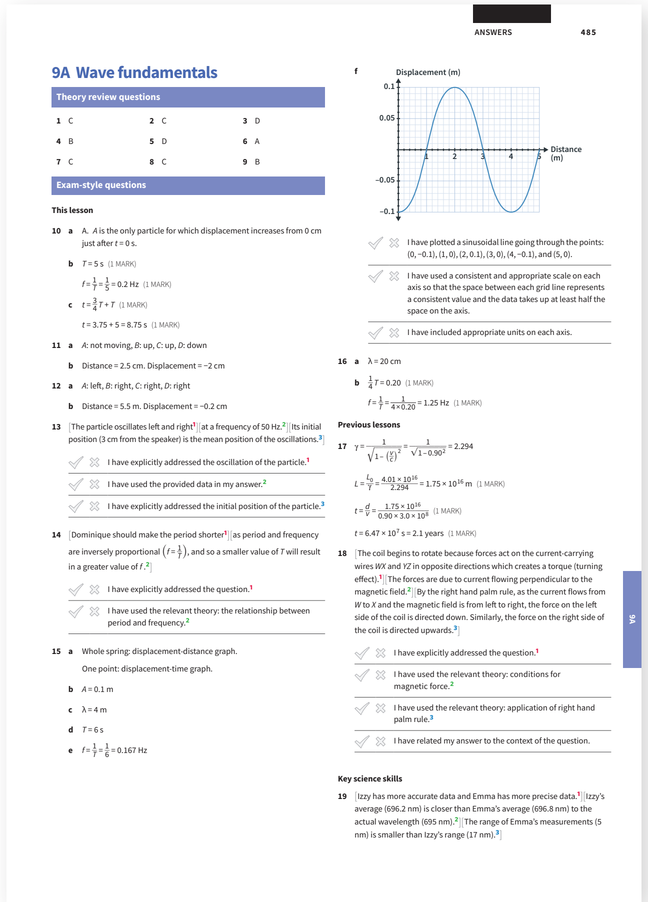
Worked examples guide students through the analysis of a question, the steps required, and a thorough work-through of how to reach the answer.

QUESTIONS, SOLUTIONS, & EXPERIMENTS



Theory summary summarises all the information into a small paragraph, table, or diagram to reiterate the key points to students.

Keen to investigate provide links to simulations and videos demonstrating the theory in each lesson.



TEXTBOOK QUESTIONS:

- **Previous lessons questions** provide spaced repetition for students to revise all concepts throughout the year.
- **Theory review questions** assess a student's comprehension of the theory covered in the lesson
- **Exam-style questions** provide frequent, valuable exam practise with questions covering content from within the lesson and also from previous lessons to reinforce the interconnected nature of the curriculum.
- **Key Science Skills questions** assess skills outlined in the VCAA Study Design through experimental design or data analysis questions.

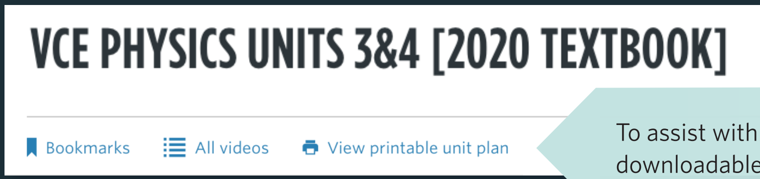
TEXTBOOK SOLUTIONS:

- **Exemplar responses** are written responses to every exam-style question, providing students with an example of a full-mark answer.
- **Checklists** provide a breakdown of the exemplar response for worded questions and draw questions to guide students when self-marking their answers.
- **Video solutions** in your Edrolo account explain and deconstruct every single exam-style question.

FOR **MORE INFO** SEE THE **TEXTBOOK TRAINING VIDEO** IN **YOUR EDROLO ACCOUNT.**

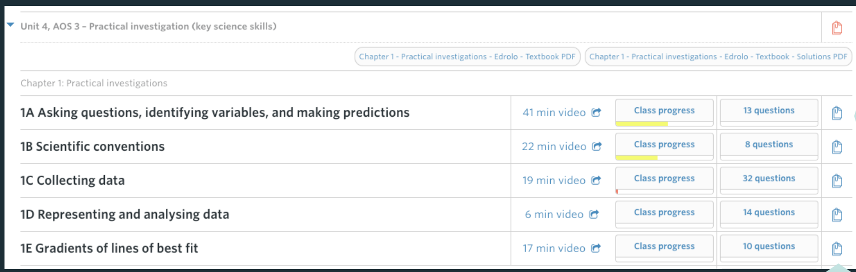
NAVIGATING YOUR EDROLO TEXTBOOK ONLINE

PLANNING AHEAD



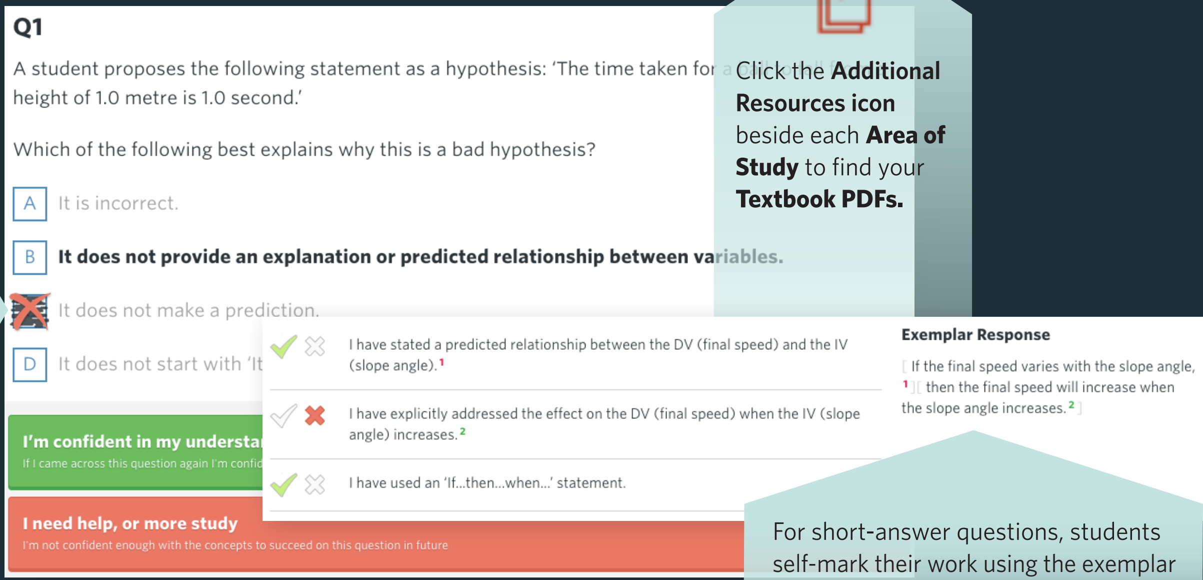
To assist with planning, there is an editable and downloadable **unit plan** available for your course.

ACCESSING THE TEXTBOOK PDFS, DIGITAL TEXTBOOK QUESTIONS AND SOLUTIONS



All questions found in the text are also available as interactive digital questions. To access these, click on the **X questions** button next to the corresponding theory lesson.

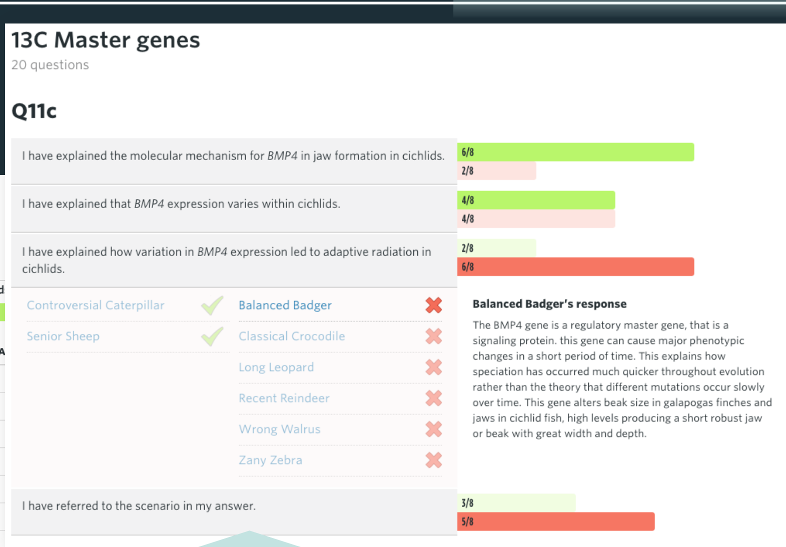
Click the **Additional Resources icon** beside each **Area of Study** to find your **Textbook PDFs.**

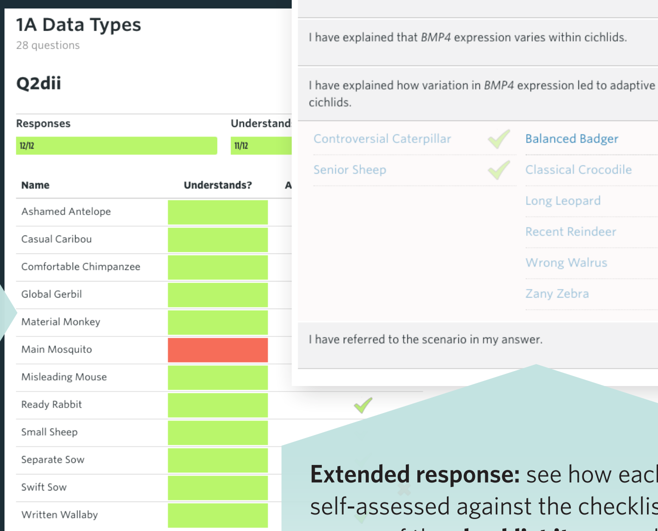


For multiple-choice questions, students receive immediate feedback.

For short-answer questions, students self-mark their work using the exemplar response and digital checklist.

CHECKING STUDENT RESPONSES





Multiple-choice results: see each student's answer and reflection on their understanding as well as a summary of your whole class.

Extended response: see how each student self-assessed against the checklist. Click on any of the **checklist items** and click a student's name to view their response.

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