

Welcome to your *A level Physics for OCR A Kerboodle!*

These introductory notes will give you some information about what you can expect to find in your Kerboodle, and where to find it.

Where to go?

The resources in the *A Level Physics for OCR A Kerboodle* are divided into different areas. These areas are shown along the top right hand side of your screen.

Course guides

Here you will find the scheme of work and course guides that have been created to help you find the resources that are most useful to you at the right time.

Every chapter will have a course guide that pulls together the activities for that chapter and links them to the learning objectives from the specification. There are also study guides here that the students can use independently throughout the course or as revision.

Resources

In the resources tab are all of the activities that will support you throughout your AS or A Level. These include practical instructions, animations, revision podcasts, webquests, maths skills activities, and lots of different worksheets. See page 3 of this guide to find out more!

Assessment

When you want to assign students assessments to complete, you will find them here. This includes sets of exam-style questions, auto-marked multiple-choice quizzes that give students feedback on every answer, and On your marks activities to help students improve their exam skills. See page 5 of this guide to find out more!

Markbook

See how well a student has performed on an assessment or do your manual marking here. The results for every assessment for every student in your AS or A Level groups will be stored here.

Digital book

Find the online student book here.

User management

See your students here and set them up into groups if you want to.

Course guides

The course guides are suggested routes through each chapter. They take you through every learning objective and pull together the resources that you might need to cover that objective. You can then click on the resource on the right hand side to open it up instantly.

The screenshot shows a digital interface for the course guide. At the top, it says '4 Forces in action' and 'Help'. The main heading is '4.5 Moments and equilibrium'. Below this, it lists the 'Specification reference: 3.2.3'. Under 'Resources', there are two entries: '4.5 Maths skill: Equilibrium' and '4.5 Practical: Investigating the bridge crane'. The 'Assessment' section states that students will be asked to resolve and calculate forces in equilibrium in the Chapter 4 exam-style questions and objective tests. At the bottom, there are navigation buttons for 'Tools', 'Digital Book', 'Back', '5 of 6', and 'Next', along with a footer containing 'OUP.com', 'Privacy Policy', 'Legal Notice', 'Cookie Policy', 'Support', 'Contact', and 'Terms and Conditions'.

The study guides are a similar route through the chapters for the students, and would be a good starting point for their revision or for them to explore the chapter independently.

If you use MyMaths at your school, the study guides link out to useful lessons about the maths skills that you will use in your AS and A level.

All of the course guides, study guides, and schemes of work are entirely editable and you can easily add your own new guides or schemes.

Resources

There are lots of different resources that are available on the *A Level Physics for OCR A Kerboodle*. Every resource comes with learning objectives that give a clear aim when for the activity, and end with questions so that students can test what they have learnt.

Extra support is provided as teacher notes for most activities – these are not visible to students unless you make them and give extra support on how to run the activity and the answers to the questions.

All of the worksheets and teacher notes are available as PDFs or editable word files, so you can make new versions for your class or even create and upload your own.

You can control whether a resource is visible to students or not by selecting the tickbox next to a resource and clicking the preview button at the top of the list.

Animations

See the trickiest topics of the course in motion by watching an animation. Follow up the animations with the questions that accompany every animation.

Application worksheets

These worksheets place the theory in a real-world context. The activity has teacher notes.

Calculation worksheets

Each calculation worksheet runs through a maths skill step-by-step through a maths skill before giving students the opportunity to try out their knowledge with some questions. The activity has teacher notes.

Checklists

A great revision tool or end of chapter summary activity. Students check that they know about every learning objective covered in a chapter by completing a checklist.

Maths skills activities

Like the calculation sheets, the maths skills interactives run through a maths skill step-by-step through a maths skill before giving students the opportunity to try out their knowledge with some questions.

The students can check their answers as they go along, but they won't be stored in the markbook.

Practical worksheets

There are two worksheets for every practical: a method sheet with instructions for students on how to carry out the practical, including questions to answer, and a follow up sheet with more question about the practical to prepare students for applying their practical skills in an exam.

This activity also has teacher and technician notes, which include support on how to run the practical, common misconceptions, full answers and a list of the equipment needed. The practicals and notes will be available compiled into a single file for the whole of Year 1 or Year 2.

Revision podcasts

Students can listen to summaries of chapters or topics using the revision podcasts before answering questions to see if they have understand the topic.

Stretch and challenge worksheets

Stretch your brightest students using these worksheets, by taking them beyond the specification to learn more. The activity has teacher notes. These are extension activities and go beyond the specification.

Support worksheets

Support lower ability students with the support worksheets. They go through a particular chapter or topic in more detail, before giving the student some ramped questions to complete. The activity has teacher notes.

Webquests

Like the application sheets, these internet-based research tasks will help students discover about science in context as well as letting them practice their research skills.

Wider reading projects

Encourage a student's interest in a particular topic using the projects. They include an extract from a book some questions to answer. These are extension activities and go beyond the specification.

Assessment

You may want to assign students assessment activities to track their progress and understanding throughout the course. Assignable resources designed to help your students prepare for their exams are found in the Assessment tab.

You can also create and upload your own assessments here, so that they can be assigned and recorded in the markbook.

Exam-style questions

Test the knowledge of your class by assigning them some exam-style questions, including real past paper questions. There are questions for each chapter and section, as well as end-of-year papers to try.

These are manually marked activities, so we have provided mark schemes for every set of questions. The exam-style questions are available as PDFs or editable word files.

Objective tests

These are multiple-choice quizzes that will test knowledge of each chapter. Once the test has been submitted and the answers sent to your markbook, students can review their answers and get feedback for every question, telling them how or why they have got the correct or incorrect answer and where to find out more information about each topic.

These are auto-marked activities.

On your marks

The On your marks activities look at an exam-style question in depth. Parts 1 and 2 analyse an exam question. First students will pick out the key words of the question and decide what the question is asking for before looking at some sample answers. They then find out where the sample answers have gone right or wrong and find out how they would be marked. Finally, students can attempt to answer the question and self-mark in Part 3.

This is a manually marked activity, so that you can review the mark a student has given themselves before it is entered into the mark scheme.

Parts 1 and 2 are also found in the resources for students to look at independently, you can change the visibility in resources if you do not want them to see it.