

YOUR STEP- BY-STEP GUIDE TO SWITCHING TO EDUQAS

A LEVEL PHYSICS



MAKE THE SWITCH TO A BOARD THAT WILL SUPPORT YOU

Switching to Eduqas could be the best move you make.

You'll gain access to an unbeatable range of free teaching resources, and our team of subject specialists are on hand to give you all the help and advice you need.

Whether you're with AQA, OCR or Pearson (Edexcel), you can rest assured that switching to Eduqas is straightforward. Simply follow this guide, compare our specifications, and make the switch!

MAKING THE SWITCH

Switching to Eduqas is simple, just follow these quick and easy steps:

1. Follow our switcher guide for your subject.
2. Register your interest at www.eduqas.co.uk/switch and receive a printed copy of your chosen specification(s).
3. Visit your qualification page at www.eduqas.co.uk/qualification, to access the materials you need to begin teaching our specifications.
4. Visit our Digital Resources Website (resources.eduqas.co.uk), for free resources that can be used as classroom aids and as revision tools.
5. Contact our subject specialists for subject specific queries, practical advice and guidance.
6. Your Exams Officer will need to register your centre, if your centre is not already registered with us.
7. Once registered, your Exams Officer will be able to provide you with access to our Secure Website (www.wjecservices.co.uk), which hosts a wealth of resources that are not available elsewhere.

WE'RE HERE TO SUPPORT YOU

If you have a question, simply contact our Physics team who will offer friendly advice and guidance:



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A LEVEL PHYSICS WITH EDUQAS

WHY CHOOSE US?

- Three themed components enabling focussed revision.
- Four option topics within component 3 to give breadth and appeal to a range of candidates
- Strong emphasis on practical work
- Detailed methods and support for each of the specified practicals including a free lab book to download.
- Excellent support for the assessment of the Practical Endorsement aspect of the qualification.
- The Online Exam Review (OER) resource provides example scripts including exam questions, mark schemes and examiner comments.
- Direct access to our subject specialist for support and guidance when delivering this qualification.

SUMMARY OF ASSESSMENT

Component 1: Newtonian Physics (100 marks)

Written examination: **2 hours 15 mins**

31.25% of qualification

Section A: 80 marks

A mix of short answer and extended answer questions with some set in a practical context.

Section B: 20 marks - one comprehension question.

Component 2: Electricity and the Universe (100 marks)

Written examination: **2 hours**

31.25% of qualification

A mix of short answer and extended answer questions with some set in a practical context.

Component 3: Light, Nuclei and Options (120 marks)

Written examination: **2 hour 15 mins**

37.5% of qualification

Section A: 100 marks

A mix of short answer and extended answer questions with some set in a practical context.

Section B: 20 marks - choice of 1 out of 4 options: Alternating Currents, Medical Physics, The Physics of Sports, Energy and the Environment.

PRACTICAL ENDORSEMENT

Assessment of practical competency.

Reported separately and not contributing to final grade.

HELPING YOU MAKE THE SWITCH - COMPARING SPECIFICATIONS

SWITCHING FROM AQA

Eduqas Physics A Level	AQA Physics A Level
<p>Component 1: Newtonian Physics 31.25% of A level Written paper: 2 hours 15 mins (100 marks)</p> <ul style="list-style-type: none"> • Basic Physics • Kinematics • Dynamics • Energy concepts • Circular motion • Vibrations • Kinetic theory • Thermal physics <p>Section A: 80 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (74 marks) extended response question (6 marks) Section B: 20 marks - one comprehension question</p>	<p>Paper 1 34% of A level Written paper: 2 hours (85 marks)</p> <ul style="list-style-type: none"> • Measurements and their errors • Particles and radiation • Waves • Mechanics and materials • Electricity • Periodic motion <p>Short and long answer questions (60 marks), multiple choice questions on content (25 marks)</p>
<p>Component 2: Electricity and the Universe 31.25% of A level Written paper: 2 hours (100 marks)</p> <ul style="list-style-type: none"> • Conduction of electricity • Resistance • D.C circuits • Capacitance • Solids under stress • Electrostatic and gravitational fields of force • Using radiation to investigate stars • Orbits and the wider universe <p>A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p>	<p>Paper 2 34% of A level Written paper: 2 hours (85 marks)</p> <ul style="list-style-type: none"> • Thermal physics • Fields and their consequences • Nuclear physics <p>All of the content tested in Paper 1:</p> <ul style="list-style-type: none"> • Measurements and their errors • Particles and radiation • Waves • Mechanics and materials • Electricity • Periodic motion <p>Short and long answer questions (60 marks), multiple choice questions on content (25 marks)</p>

SWITCHING FROM AQA

Eduqas Physics A Level	AQA Physics A Level
<p>Component 3: Light, Nuclei and Options 37.5% of A level Written paper: 2 hours 15 mins (120 marks)</p>	<p>Paper 3: 32% of A level Written paper: 2 hours (80 marks)</p>
<ul style="list-style-type: none"> • The nature of waves • Wave properties • Refraction of light • Photons • Lasers • Nuclear decay • Particles and nuclear structure <p>Section A: 100 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p> <p>Section B: 20 marks in each of the four options.</p>	<ul style="list-style-type: none"> • Nuclear energy • Magnetic fields • Electromagnetic induction <p>Choice of one option from four:</p> <ul style="list-style-type: none"> • Alternating currents • Medical physics • The physics of sports • Energy and the environment <p>Section A: 45 marks Short and long answer questions on practical experiments and data analysis</p> <p>Section B: 35 marks in each of the four options – short and long answer questions</p>

SWITCHING FROM OCR PHYSICS A

Eduqas Physics A Level	OCR Physics A
<p>Component 1: Newtonian Physics 31.25% of A level Written paper: 2 hours 15 mins (100 marks)</p>	<p>Component 1: Modelling Physics 37% of A level Written paper: 2 hours 15 mins (100 marks)</p>
<ul style="list-style-type: none"> • Basic Physics • Kinematics • Dynamics • Energy concepts • Circular motion • Vibrations • Kinetic theory • Thermal physics <p>Section A: 80 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (74 marks) extended response question (6 marks)</p> <p>Section B: 20 marks - one comprehension question</p>	<p>Module 1: Development of practical skills in physics</p> <p>Module 2: Foundations in physics</p> <ul style="list-style-type: none"> • Physical quantities and units • Making measurements and analysing data • Nature of quantities <p>Module 3: Forces and motion</p> <ul style="list-style-type: none"> • Motion • Forces in action • Work, energy and power • Materials • Newton's laws of motion and momentum <p>Module 5: Newtonian world and astrophysics</p> <ul style="list-style-type: none"> • Thermal physics • Circular motion • Oscillations • Gravitational fields • Astrophysics and cosmology <p>Section A: 15 marks Multiple choice question</p> <p>Section B: 85 marks Short structured questions, extended response questions, problem solving, calculations, practical and theory</p>

SWITCHING FROM OCR PHYSICS A

Eduqas Physics A Level	OCR Physics A	
Component 2: Electricity and the Universe 31.25% of A level Written paper: 2 hours (100 marks)	Component 2: Exploring physics 37% of A level Written paper: 2 hours 15 minutes (100 marks)	
<ul style="list-style-type: none"> • Conduction of electricity • Resistance • D.C circuits • Capacitance • Solids under stress • Electrostatic and gravitational fields of force • Using radiation to investigate stars • Orbits and the wider universe A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)	Module 1: Development of practical skills in physics Module 2: Foundations in physics <ul style="list-style-type: none"> • Physical quantities and units • Making measurements and analysing data • Nature of quantities Module 4: Electrons, waves and photons <ul style="list-style-type: none"> • Charge and current • Energy, power and resistance • Electrical circuits • Waves • Quantum physics 	Module 6: Particles and medical physics <ul style="list-style-type: none"> • Capacitors • Electric fields • Electromagnetism • Nuclear and particle physics • Medical imaging
	Section A: 15 marks Multiple choice question Section B: 85 marks Short structured questions, extended response questions, problem solving, calculations, practical and theory	
Component 3: Light, Nuclei and Options 37.5% of A level Written paper: 2 hours 15 minutes (120 marks)	Component 3: Unified Physics 26% of A level Written paper: 1 hour 30 minutes (70 marks)	
<ul style="list-style-type: none"> • The nature of waves • Wave properties • Refraction of light • Photons • Lasers • Nuclear decay Choice of one option from four: <ul style="list-style-type: none"> • Alternating currents • Medical physics • The physics of sports • Energy and the environment Section A: 100 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks) Section B: 20 marks in each of the four options.	<ul style="list-style-type: none"> • Particles and nuclear structure • Nuclear energy • Magnetic fields • Electromagnetic induction 	All of the content tested in Components 1 and 2 Short structured questions, extended response questions, problem solving, calculations, practical and theory (70 marks)

SWITCHING FROM OCR PHYSICS B (ADVANCING PHYSICS)

Eduqas Physics A Level	OCR Physics B (Advancing Physics)	
<p>Component 1: Newtonian Physics 31.25% of A level Written paper: 2 hours 15 minutes (100 marks)</p>	<p>Component 1: Fundamentals of Physics 41% of A level Written paper: 2 hours 15 minutes (110 marks)</p>	
<ul style="list-style-type: none"> • Basic Physics • Kinematics • Dynamics • Energy concepts • Circular motion • Vibrations • Kinetic theory • Thermal physics <p>Section A: 80 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (74 marks) extended response question (6 marks)</p> <p>Section B: 20 marks - one comprehension question</p>	<p>Module 1: Development of practical skills in physics</p> <p>Module 2: Fundamental data analysis</p> <p>Module 3: Physics in action</p> <ul style="list-style-type: none"> • Imaging and signalling • Sensing • Mechanical properties of materials <p>Module 4: Understanding processes</p> <ul style="list-style-type: none"> • Waves and quantum behaviour • Space, time and motion 	<p>Module 5: Rise and fall of the clockwork universe</p> <ul style="list-style-type: none"> • Creating models • Out into space • Our place in the universe • Matter: very simple • Matter: hot and cold <p>Module 6: Field and particle</p> <ul style="list-style-type: none"> • Electromagnetism • Charge and field • Probing deep into matter • Ionising radiation and risk
<p>Component 2: Electricity and the Universe 31.25% of A level Written paper: 2 hours (100 marks)</p>	<p>Component 2: Scientific literacy in physics 37% of A level Written paper: 2 hours 15 minutes (100 marks)</p>	
<ul style="list-style-type: none"> • Conduction of electricity • Resistance • D.C circuits • Capacitance • Solids under stress • Electrostatic and gravitational fields of force • Using radiation to investigate stars • Orbits and the wider universe <p>A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p>	<p>All of the content tested in Component 1</p> <p>Section A: 40 marks Short structured questions, problem solving, calculations, practical, extended response questions</p> <p>Section B: 45 marks Short structured questions, extended response questions, problem solving, calculations, practical</p> <p>Section C: 25 marks – based on pre-release article: short answer questions, extended response questions</p>	

SWITCHING FROM OCR PHYSICS B (ADVANCING PHYSICS)

Eduqas Physics A Level		OCR Physics B (Advancing Physics)
Component 3: Light, Nuclei and Options 37.5% of A level Written paper: 2 hours 15 minutes (120 marks)		Component 3: Practical skills in physics 22% of A level Written paper: 1 hour 30 minutes (60 marks)
<ul style="list-style-type: none"> • The nature of waves • Wave properties • Refraction of light • Photons • Lasers • Nuclear decay 	<ul style="list-style-type: none"> • Particles and nuclear structure • Nuclear energy • Magnetic fields • Electromagnetic induction 	All of the content tested in Components 1 and 2 Short structured questions, extended response questions, problem solving, calculations, practical and theory (60 marks) Section A: 40 marks Short structured questions, problem solving, calculations, practical, extended response questions Section B: 20 marks Long structure question based on practical, problem solving, calculations, extended response focusing on data analysis
Choice of one option from four: <ul style="list-style-type: none"> • Alternating currents • Medical physics • The physics of sports • Energy and the environment Section A: 100 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks) Section B: 20 marks in each of the four options.		

SWITCHING FROM PEARSON PHYSICS A (SALTERS NUFFIELD)

Eduqas physics A Level	PEARSON Physics A (Salters Nuffield)
<p>Component 1: Newtonian Physics 31.25% of A level Written paper: 2 hours 15 mins (100 marks)</p> <ul style="list-style-type: none"> • Basic Physics • Kinematics • Dynamics • Energy concepts • Circular motion • Vibrations • Kinetic theory • Thermal physics <p>Section A: 80 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (74 marks) extended response question (6 marks)</p> <p>Section B: 20 marks - one comprehension question</p>	<p>Paper 1: Advanced Physics I 30% of A level Written paper: 1 hour 45 minutes (90 marks)</p> <ul style="list-style-type: none"> • Working as a physicist • Higher, faster, stronger • Technology in space • Digging up the past • Transport on track • The medium is the message • Probing the heart of matter <p>Multiple choice questions, short open, open-response, calculations and extended writing questions</p>
<p>Component 2: Electricity and the Universe 31.25% of A level Written paper: 2 hours (100 marks)</p> <ul style="list-style-type: none"> • Conduction of electricity • Resistance • D.C circuits • Capacitance • Solids under stress • Electrostatic and gravitational fields of force • Using radiation to investigate stars • Orbits and the wider universe <p>A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p>	<p>Paper 2: Advanced Physics II 30% of A level Written paper: 1 hour 45 minutes (90 marks)</p> <ul style="list-style-type: none"> • Working as a physicist • The sound of music • Good enough to eat • Technology in space • Digging up the past • Spare-part surgery • Build or bust? • Reach for the stars <p>Multiple choice questions, short open, open-response, calculations and extended writing questions</p>

SWITCHING FROM PEARSON PHYSICS A (SALTERS NUFFIELD)

Eduqas Physics A Level	PEARSON Physics A (Salters Nuffield)
<p>Component 3: Light, Nuclei and Options 37.5% of A level Written paper: 2 hours 15 minutes (120 marks)</p>	<p>Paper 3: General and practical principles in physics 40% of A level Written paper: 2 hours 30 minutes (120 marks)</p>
<ul style="list-style-type: none"> • The nature of waves • Wave properties • Refraction of light • Photons • Lasers • Nuclear decay <ul style="list-style-type: none"> • Particles and nuclear structure • Nuclear energy • Magnetic fields • Electromagnetic induction <p>Choice of one option from four:</p> <ul style="list-style-type: none"> • Alternating currents • Medical physics • The physics of sports • Energy and the environment <p>Section A: 100 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p> <p>Section B: 20 marks in each of the four options.</p>	<p>All of the content tested in Papers 1 and 2</p> <p>Assess conceptual and theoretical understanding of experimental methods that will draw on learners' experiences of the core practicals</p> <p>Short open, open-response, calculations and extended writing questions</p>

SWITCHING FROM PEARSON PHYSICS B

Eduqas Physics A Level	PEARSON Physics B
<p>Component 1: Newtonian Physics 31.25% of A level Written paper: 2 hours 15 mins (100 marks)</p>	<p>Paper 1: Advanced Physics I 30% of A level Written paper: 1 hour 45 minutes (90 marks)</p>
<ul style="list-style-type: none"> • Basic Physics • Kinematics • Dynamics • Energy concepts • Circular motion • Vibrations • Kinetic theory • Thermal physics <p>Section A: 80 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (74 marks) extended response question (6 marks)</p> <p>Section B: 20 marks - one comprehension question</p>	<ul style="list-style-type: none"> • Working as a physicist • Mechanics • Electric circuits • Further mechanics • Electric and magnetic fields • Nuclear and particle physics <p>Multiple choice questions, short open, open-response, calculations and extended writing questions</p>

SWITCHING FROM PEARSON PHYSICS B

Eduqas Physics A Level	PEARSON Physics B
<p>Component 2: Electricity and the Universe 31.25% of A level Written paper: 2 hours (100 marks)</p>	<p>Paper 2: Advanced Physics II 30% of A level Written paper: 1 hour 45 minutes (90 marks)</p>
<ul style="list-style-type: none"> • Conduction of electricity • Resistance • D.C circuits • Capacitance • Solids under stress • Electrostatic and gravitational fields of force • Using radiation to investigate stars • Orbits and the wider universe <p>A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p>	<ul style="list-style-type: none"> • Working as a physicist • Materials • Waves and particle nature of light • Thermodynamics • Space • Nuclear radiation • Gravitational fields • Oscillations <p>Multiple choice questions, short open, open-response, calculations and extended writing questions</p>
<p>Component 3: Light, Nuclei and Options 37.5% of A level Written paper: 2 hours 15 minutes (120 marks)</p>	<p>Paper 3: General and practical principles in physics 40% of A level Written paper: 2 hours 30 minutes (120 marks)</p>
<ul style="list-style-type: none"> • The nature of waves • Wave properties • Refraction of light • Photons • Lasers • Nuclear decay • Particles and nuclear structure • Nuclear energy • Magnetic fields • Electromagnetic induction <p>Choice of one option from four:</p> <ul style="list-style-type: none"> • Alternating currents • Medical physics • The physics of sports • Energy and the environment <p>Section A: 100 marks A mix of short and longer structured questions, problem solving, calculations, practical and theory contexts (94 marks) extended response question (6 marks)</p> <p>Section B: 20 marks in each of the four options.</p>	<p>All of the content tested in Papers 1 and 2 Assess conceptual and theoretical understanding of experimental methods that will draw on learners' experiences of the core practicals Short open, open-response, calculations and extended writing questions</p>

THE SUPPORT YOU NEED

FREE TAILORED PHYSICS DIGITAL RESOURCES

We've created a wealth of free digital resources to support our qualifications. They have been developed to enhance learning, stimulate classroom discussion, and encourage student engagement. Access our resources today at resources.eduqas.co.uk

REGIONAL SUPPORT

Our Regional Support Team are also on hand to offer free support in the delivery of our qualifications. They can also give you face-to-face advice on our range of qualifications, online resources, CPD and curriculum developments. To book a visit or to find out more, please visit www.eduqas.co.uk/RegionalSupportTeam



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TEACHERS WHO HAVE MADE THE SWITCH

"If you contact Eduqas with a subject related question, you very quickly are able to talk to someone who really knows the subject. With other larger exam boards you often only get to speak to an administration assistant, not a subject specialist. Whoever you contact at Eduqas, they are always very helpful and supportive.

The specification and supporting documents are very clear and straightforward to follow. For any topic area there is never any doubt what candidates should know and be able to do."

PAUL ALLRED
PHYSICS LEAD

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