



# PHYSICS

Physics is the most fundamental of all the sciences. It is concerned with the most basic building blocks of all things, trying to find out what the universe is made of, and how these things move and interact with each other.

A Level Physics is essential for all students wishing to study Engineering at university, and is also an extremely useful background for numerous other degree subjects such as Medicine, Mathematics, and Economics.

## MODULES STUDIED: Examining Board – Edexcel

<b>Unit 1:</b>	<u>Mechanics and radioactivity</u>		Exam Length: 1hr 15 mins 15% of total marks
<b>Unit 2:</b>	<u>Electricity and thermal physics</u>		Exam Length: 1hr 15 mins 15% of total marks
<b>Unit 3:</b>	<u>Solid materials</u>	Practical Test	Exam Length: 1hr 30 mins 10% of total marks
		Topics Test	Exam Length: 30 mins 10% of total marks
<b>Unit 4:</b>	<u>Waves and our Universe</u>		Exam Length: 1hr 20 mins 15% of total marks
<b>Unit 5:</b>	<u>Fields and forces</u>	Practical Test	Exam Length: 1hr 30 mins 7.5% of total marks
		Unit Test	Exam Length: 1 hour 7.5% of total marks
<b>Unit 6:</b>	<u>Fields and forces</u>		Exam Length: 2 hours 20% of total marks

## RECOMMENDED READING

Author	Title	Publisher
Adams, S. & Allday, J.	Advanced Physics	OUP2000
Johnson, K et al	Advanced Physics for you	Nelson Thornes 2000
Ellse, M & Honeywill, C	Nelson Advanced Science	Nelson Thornes
Azzopardi, F & Stewart, B	Accessible Physics for A Level: A Guided Coursebook	Macmillan
Akrill, T et al	Practice in Physics	Hodder & Stoughton