

# SCIENCE

## End of Year 10 Physics Exam

### P9 Motion

How do you calculate speed or velocity?

How do you calculate acceleration?

How do you show motion in a graph?

### P7 Radioactivity

What are the different types of radiation?

What is a half-life and why is it important?

### P5 Electricity in the home

What are the different types of current?

What is the national grid?

### P2 Energy Transfer by Heating

How is heat energy transferred?

### P10 Force and Motion

What is Newton's second law of motion?

How does force affect the extension of an object?

### P8 Forces in Balance

What are scalar and vector quantities?

What are Newton's laws of motion?

### P6 Molecules and Matter

How do you calculate density?

What is internal energy?

How do you calculate specific heat capacity and specific latent heat?

### P4 Electric Circuits

How is electrical charge transferred around a circuit?

How can you calculate charge flow, resistance, current and potential difference?