



The Thomas Hardy School

## Summer Preparation Task

Physics A Level  
AQA 7408

### Purpose of task:

An introduction to some of the exotic particles introduced during A-level Physics.

### Recommended resources:

<http://home.web.cern.ch/about/physics/standard-model>

<https://www.energy.gov/science/doe-explainsthe-standard-model-particle-physics>

### Task:

Design a mind map for 'The Standard Model'.

This should fit onto a single side of A4 paper.

### Additional information:

#### Required Stationery and Equipment for A Level Physics

Scientific Calculator

Protractor

30 cm ruler

Lab book - sold by department for £6

#### Essential Resources

A-level Physics CGP text book – £22

#### Things to Consider Throughout the Year

Regular common assessment

Progress test in Nov

Continued independent study and research

Trip to CERN available

### Recommended reading & activities list:

**Deadline for Task:** First lesson in week commencing 15<sup>th</sup> September 2025