

# St Bede's Catholic College

## Year 11 into 12 Transition Work

### Physics



**Exam board:** OCR

**Course length:** Two years

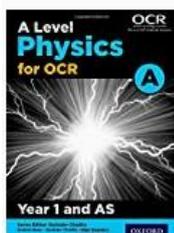
**Specification:** <https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/>

**Exam structure:**

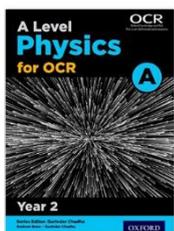
Modelling physics (01) 100 marks 2 hours 15 minutes written paper	37% of total A level
Exploring physics (02) 100 marks 2 hours 15 minutes written paper	37% of total A level
Unified physics (03) 70 marks 1 hour 30 minutes written paper	26% of total A level

**Useful textbooks:**

**Year 1:**



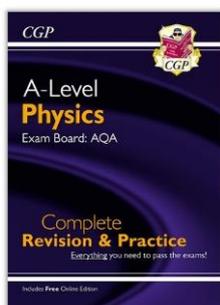
**Year 2:**



- **Publisher:** OUP Oxford; UK ed. edition (26 Mar. 2015)
- **Language:** English
- **ISBN-10:** 9780198352174
- **ISBN-13:** 978-0198352174
- **ASIN:** 0198352174
- **Product Dimensions:** 19.5 x 1.5 x 26.5 cm

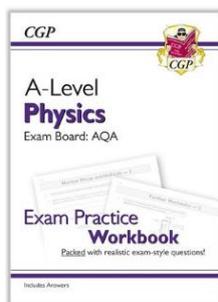
- **Publisher:** OUP Oxford; UK ed. edition (3 Sept. 2015)
- **Language:** English
- **ISBN-10:** 0198357664
- **ISBN-13:** 978-0198357667
- **Product Dimensions:** 19.6 x 1.6 x 26.4 cm

## Useful Revision Guides



### **New A-Level Physics: AQA Year 1 & 2 Complete Revision & Practice with Online Edition**

Product code: PAR73  
ISBN: 9781789080322



### **New A-Level Physics: AQA Year 1 & 2 Exam Practice Workbook - includes Answers**

Product code: PAQ71  
ISBN: 9781782949169

## Useful websites:

<https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/>

<https://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources?f.Resource+type%7C6=Question+papers>

## Sample/past papers:

<https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/assessment/>

## Transition work:

Dear Prospective Year 12 student,

Congratulations on finishing your GCSEs, and thank you for your interest in studying A level Physics at St Bedes. We hope to perhaps see you on a taster day, and in readiness for beginning studying Physics we would like you to complete the following tasks to get ready for the new term after your long holiday.

Most of the tasks are not arduous, but should remind you of why Physics is such an amazing and absorbing subject.

Best wishes

Mr Davies.

## **Test Yourself**

We will hit the ground running in Y12, so we would like you to complete and mark the GCSE paper 1 and paper 2 from 2018.

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84631H-QP-JUN18.PDF>

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84632H-QP-JUN18.PDF>

The mark schemes are to be found here:-

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84631H-W-MS-JUN18.PDF>

<https://filestore.aqa.org.uk/sample-papers-and-mark-schemes/2018/june/AQA-84632H-W-MS-JUN18.PDF>

It will be **essential** for you to remind yourself of where your knowledge base was at the end of Y11, before we move to deepen your understanding in Y12.

This will take you about 2 hours per paper, and about an hour to mark each one.

## **Consolidate your wider knowledge.**

Go onto YouTube and check out the V-Sauce clips. You should start with “You can't touch anything”, but should also check out “Travel inside a black hole” , “What if we all jumped at once?” and “How Earth moves”

<https://www.youtube.com/watch?v=yE8rkG9Dw4s> (You Can't . . .

<https://www.youtube.com/watch?v=3pAnRKD4raY> (Travel inside . . . .

[https://www.youtube.com/watch?v=jHbyQ\\_AQP8c](https://www.youtube.com/watch?v=jHbyQ_AQP8c) (What if we . . .

<https://www.youtube.com/watch?v=lJhgZBn-LHg> (How Earth . . .

You can find other clips that are excellent too. Let me know if you find any great ones.

The next clip is longer, but has way more depth – and gives the background to the History of Electricity.

<https://www.youtube.com/watch?v=NUUeGianTKM>

or the Story of Quantum Physics

<https://www.youtube.com/watch?v=q4ONRJ1kTdA>

### **Explore your knowledge**

Use the Phet website to see how much Physics you know about, and can explain.

Try Lunar Lander, Projectile Motion, Circuit Construction, Energy Skate Park - they are all good.

Above all, stay safe, work hard and we really look forward to seeing you in September.

***Mr Davies and the Physics team.***

**Mr Davies is Head of Physics. Please email him on [a.davies@stbcc.org](mailto:a.davies@stbcc.org) with any queries.**