



Holyport College Sixth Form Year 11 Transition Work

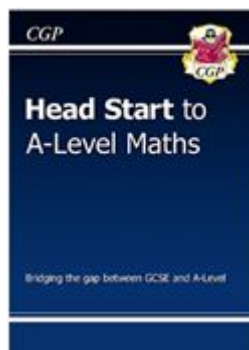
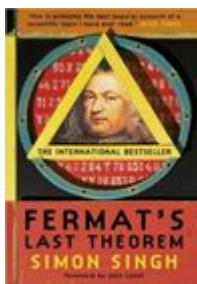


MATHEMATICS

As you transition from year 11 to year 12, it is very important to refresh your memory on certain core mathematical skills that underpin A-level Mathematics.

FILM/ Shows

- A Beautiful Mind
- Hidden Figures
- The man who knew infinity
- The imitation game
- The story of Maths (Netflix)
- Between the Folds (Amazon)



Books/Magazines

• *The Simpsons and their Mathematical Secrets and*

• *Fermat's Last Theorem* both by Simon Singh

<https://m.youtube.com/watch?v=qYAdXm69l8g>

• *Nature's Numbers and*

• *Does God Play Dice?* both by Ian Stewart

• *How not to be Wrong* by Jordan Ellenberg

<https://m.youtube.com/watch?v=kZTKuMBJP7Y>

• *The Music of the Primes* by Marcus Du Sautoy

• Any Numberphile video

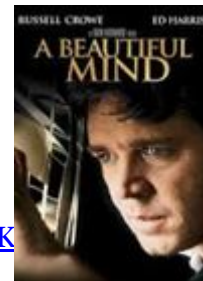
https://www.youtube.com/results?search_query=numberphile

• Plus Magazine - University of Cambridge

<https://plus.maths.org/>

• For more reading please see the maths departments reading List:

<https://docs.google.com/document/d/17Dwh4NaIWLsRx6B9jZ2MMvWJ6hLwqK/edit?usp=sharing>



Useful Links/Websites

• Hegarty maths Transition Skills Check

https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_A_level_transition_skills.pdf

• Live lessons - getting ready for A-level mathematics

<https://www.youtube.com/watch?v=B9rHZDTPfUU>

• CGP Headstart to A Level (free as a kindle book)

https://www.amazon.co.uk/Head-Start-Level-Maths-2017-2018-ebook/dp/B06XD29GX2/ref=tmm_kin_swatch_0?encoding=UTF8&qid=&sr=

• *Summer start for A Level Maths Playlist (Primrose Kitten)*

<https://www.youtube.com/playlist?list=PL7O6CcKqoHaEoGAK4fX9kiOXwMOerJZJq>

Tasks

1. Work through the OCR transition to A-level pack:

<https://www.ocr.org.uk/Images/373371-bridging-the-gap-between-gcse-and-as-a-level-mathematics-a-student-guide.docx>

2. Work through Hegarty maths Transition Skills Check above and ensure you have completed relevant tasks.