

# A level Computer science

## Transition task for September 2022



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School



Asymmetric encryption - Simply explained

83,519 views

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Simply Explained - Savjee  
Published on Oct 30, 2017

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Youtube link: <https://www.youtube.com/watch?v=AQDCe585Lnc&t=>

- 1 Create a presentation (in PowerPoint or Google Slides) to explain the difference between **synchronous and asynchronous encryption**. (Asynchronous encryption is also known as public key encryption).

The above *youtube* video can help you with the explanation, or you can choose another one. You can take screenshots of the illustrations but all of the written explanations must be in your own words. Use animations to make the presentation look nice 😊



Encryption and HUGE numbers - Numberphile

962,491 views

16K 215 SHARE

Numberphile  
Published on Dec 9, 2012

SUBSCRIBED 2.5M

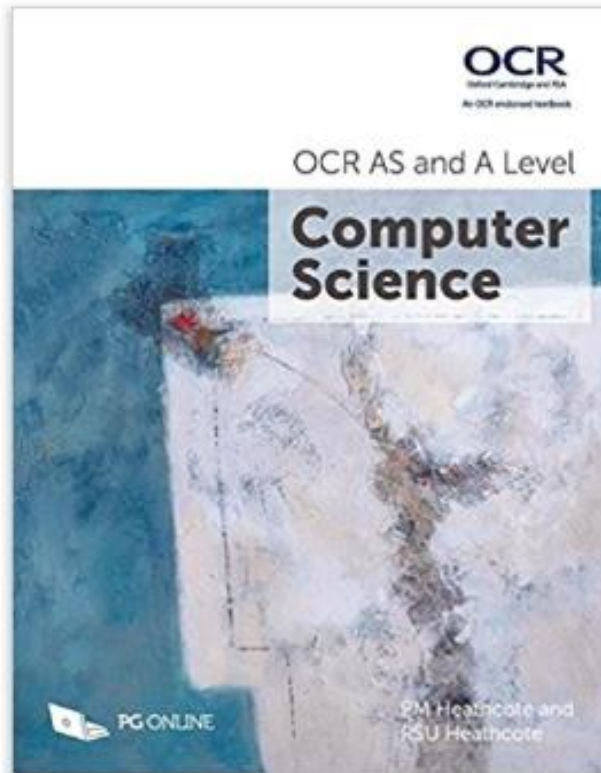
Youtube link: <https://www.youtube.com/watch?v=M7kEpw1tn50>

- 2 RSA is an example of public key encryption.

Add to your presentation the example used in the above video as to how the maths in public key encryption works.

[www.tinyurl.com/year12transition](http://www.tinyurl.com/year12transition)

# Book recommendation



**ISBN-13:** 978-1910523056

**ISBN-10:** 1910523054

This book is a MUST for the course, it explains each of the topic areas in good detail.

You can review the topics which we will be covering in September:

- Chapter 53      Programming basics
- Chapter 54      Selection
- Chapter 55      Iteration
- Chapter 56      Subroutines and recursion