

A level Computer science

Transition task for September 2020



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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

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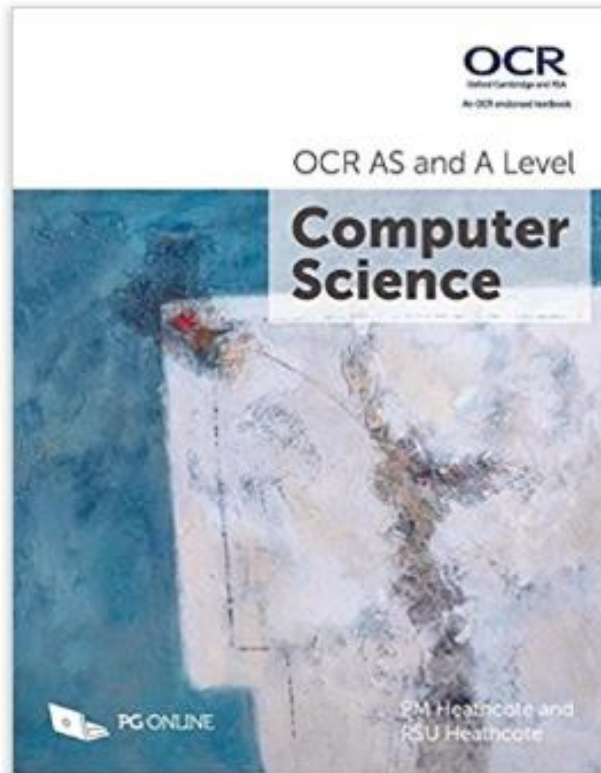
Youtube link: <https://www.youtube.com/watch?v=M7kEpw1tn50>

- 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

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