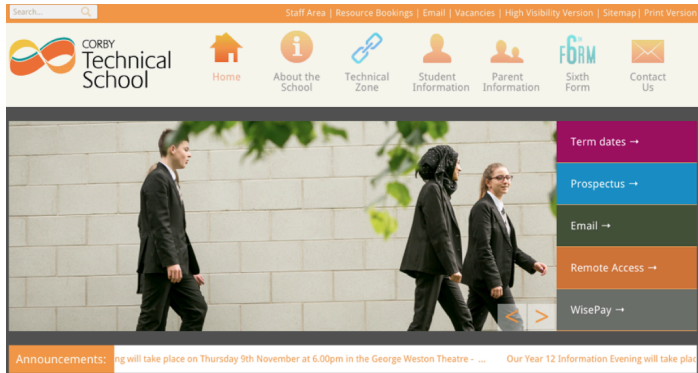
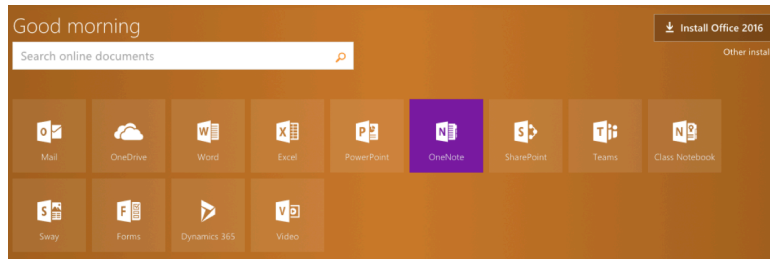


Accessing Flipped Classroom Resources

1. Go to the Corby Technical School website and click “Email”



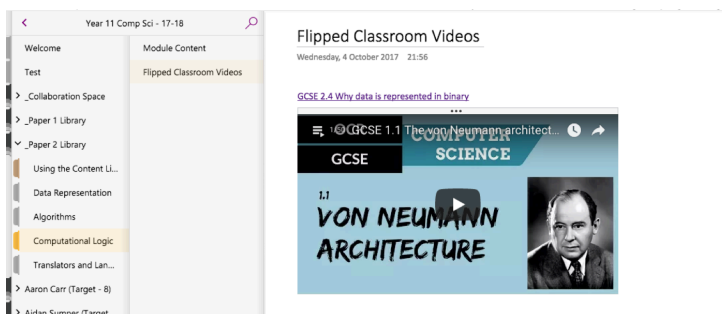
2. Select OneNote from the options available



3. In the menu that appears, students should click on “Class Notebooks” and select the “Year 11 Comp Sci – 17-18” workbook

Recent My Notebooks Shared with Me **Class Notebooks**

4. Students can then select either Paper 1 or Paper 2 and select the unit they wish to study. Within each unit there is a “Flipped Classroom Videos” section that contains all the videos for that unit.



Flipped Classroom Schedule

It is imperative that students view these videos in the allocated weeks. Failure to do so will result in difficulty completing exam questions in the classroom.

Term 2

Before Week 1 – Lesson 1	Paper 2 - Data Representation Units
Before Week 1 – Lesson 2	Paper 2 - Data Representation Binary to Denary Conversion Binary Additions
Before Week 2 – Lesson 1	Paper 2 - Data Representation Binary Shifts for multiplication and division
Before Week 2 – Lesson 2	Paper 2 - Data Representation Hexadecimal conversions Check Digits
Before Week 3 – Lesson 1	Paper 2 - Data Representation Character Sets Image Representation
Before Week 3 – Lesson 2	Paper 2 - Data Representation Sound Representation Compression
Before Week 4 – Lesson 1	Paper 2 - Computational Logic Why data is represented in Binary Simple Logic Diagrams
Before Week 4 – Lesson 2	Paper 2 - Computational Logic Truth Tables Computing Related Mathematics
Before Week 5 – Lesson 1	Paper 2 - Algorithms Abstraction Decomposition
Before Week 5 – Lesson 2	Paper 2 - Algorithms Linear Search

	Binary Search
Before Week 6 – Lesson 1	Paper 2 - Algorithms Merge Sort Insertion Sort
Before Week 6 – Lesson 2	Paper 2 - Algorithms Pseudocode and Flow Diagrams
Before Week 7 – Lesson 1	Paper 2 – Translators and Languages Classification of Programming Languages Translators
Before Week 7 – Lesson 2	Paper 2 – Translators and Languages Facilities of an IDE
Week 8	Mock Week – Revision as needed

Term 3

Before Week 1 – Lesson 1	Paper 1 - System Security and Software Forms of Attack Threats posed to networks
Before Week 1 – Lesson 2	Paper 1 - System Security and Software Identifying and Preventing Vulnerabilities
Before Week 2 – Lesson 1	Paper 1 - System Security and Software Systems Software Operating Systems 1
Before Week 2 – Lesson 2	Paper 1 - System Security and Software Operating Systems 2
Before Week 3 – Lesson 1	Paper 1 - System Security and Software Utility System Software

Before Week 3 – Lesson 2	<p>Paper 1 - Ethical, Legal, Cultural and Environmental Concerns</p> <p>How to investigate and discuss Computer Science technologies, considering ethical, legal Stakeholders</p>
Before Week 4 – Lesson 1	<p>Paper 1 - Ethical, Legal, Cultural and Environmental Concerns</p> <p>Environmental Impact</p>
Before Week 4 – Lesson 2	<p>Paper 1 - Ethical, Legal, Cultural and Environmental Concerns</p> <p>Legislation</p>
Before Week 5 – Lesson 1	<p>Paper 1 - Ethical, Legal, Cultural and Environmental Concerns</p> <p>Cultural Issues Privacy</p>
Before Week 5 – Lesson 2	<p>Paper 1 - Ethical, Legal, Cultural and Environmental Concerns</p> <p>Open Source vs Proprietary</p>
Before Week 6 – Lesson 1	<p>Paper 1 – Wired and Wireless Networks</p> <p>Types of Network Performance of Networks</p>
Before Week 6 – Lesson 2	<p>Paper 1 - Wired and Wireless Networks</p> <p>Client Server and Peer to Peer Hardware to connect to a LAN</p>
Before Week 7 – Lesson 1	<p>Paper 1 - Wired and Wireless Networks</p> <p>The Internet Virtual Networks</p>
Before Week 7 – Lesson 2	<p>Paper 1 – Network Topologies, Protocols and Layers</p> <p>Star and Mesh Network Topologies WIFI Ethernet</p>
Before Week 8 – Lesson 2	<p>Paper 1 - Network Topologies, Protocols and Layers</p> <p>Addressing and Protocols Concept of Layers Packet Switching</p>

Term 4

Before Week 1 – Lesson 1	Paper 1 – Systems Architecture The Von Neumann Architecture
Before Week 1 – Lesson 2	Paper 1 – Systems Architecture How common characteristics of CPUs affect their performance Embedded Systems
Before Week 2 – Lesson 1	Paper 1 - Memory RAM and ROM The need for Virtual Memory
Before Week 2 – Lesson 2	Paper 1 - Memory Flash Memory
Before Week 3 – Lesson 1	Paper 1 - Storage Common Types of Storage Data Capacity and Calculations
Before Week 3 – Lesson 2	Paper 1 - Storage Suitable Storage Devices The Need for Secondary Storage

Lessons post Week 3 will be spent revising for both exams and practising exam technique.

Your child will sit their Computer Science exams on the following dates.

J276/1 Computer Systems
Monday 14th May 2018

J276/2 - Computational thinking, algorithms and programming
Thursday 17th May 2018

Both exams take place in the first week of the May holidays