Subject: Information and Communicati **Kay Stage 4 Curriculum Plan** **Year:** 11

Department Information:

Students follow the program:
BTEC Digital Information Technology Level 1/2 from Pearsons.

Teachers:

Curriculum aims and intent:

Students will have the opportunity to study the different aspects of technology and information communication technology, with the intention that students will be able to progress to higher levels of study or to a professional career.

Students will have the opportunity to investigate what makes a good user interface, including understanding why user interfaces are designed in that way, including aspects such as accessibility.
Students will learn how to manipulate spreadsheets, looking at how data is represented and how to avoid biases impacting the understanding of the data.
Lastly students will learn about the technology behind ICT such as cloud storage. Students will also learn about the laws that dictate what acceptable use of technology is and the consequences of not following the laws regarding business practices.

Assessment:

Students will complete eight end of topic tests throughout years 10 and 11, alongside mock tests. These mock tests are:

Year 11:
Mock tests in November. Students will also complete a WTM in the March of their final year.

Resources used to support learning:

BBC Bitesize
w3schools
Pearson Revision Guide

Home Learning:

Students are given one piece of homework per week which are then reviewed in lesson time. This homework will give students a valuable opportunity for recalling and retrieving information.

How parents can help their child:

Encourage the students to complete their homework alongside using a revision guide.

Term	Summary of work being covered	Knowledge, Understanding and skills assessed	How the work is assessed	Career Links
1	Shared Data Environmental Issues Equal Access Use Policies Data Protection and Criminal Use	What data can we share? How does computer use affect the environment? How do we ensure no one misuses our systems? How is our data protected legally?	End of topic test	Database Administrator – manages information that many people need to access; Cloud Engineer – stores and shares files securely online; Project Manager – uses shared documents to help teams work together.
2	Data flow diagrams Flowcharts System diagrams Tables	How to represent data and information flow visually	End of topic test/Component 3 - Mock Test	Business Analyst – maps how information moves through a business; Systems Analyst – plans new computer systems; Software Developer – uses DFDs to understand how software should process data before coding.
3	Coursework Resit / Exam Techniques	Students will continue to look at past papers to further understand how to answer each style of question. Students will also have the opportunity to resit a piece of coursework from the past year		
4	Coursework Resit / Exam Techniques			
5				
6				