



ASHLYNS SCHOOL

Ashlyns School

The Challenge Curriculum

Computer Science



Reading task



Research task



Watching task



Student-led task



Listening task



Creative task






Writing task



Trip/visit task

Computer Science

 Reading	<p>Year 7 Read and follow Scratch tutorials on the following websites and look at existing projects to get more ideas on how to develop your own Scratch game(s) Explore Scratch Studio</p> <p>Year 8 Code Academy (Python): This course is a great introduction to both fundamental programming concepts and the Python programming language. By the end, you'll be familiar with Python syntax and you'll be able to put into practice what you'll have learned. Learn Python 2</p> <p>Year 9 Code Academy (Python): This course is a great introduction to both fundamental programming concepts and the Python programming language. By the end, you'll be familiar with Python syntax and you'll be able to put into practice what you'll have learned. Learn Python 2</p> <p>Year 11 W3Schools (SQL): SQL is a standard language for storing, manipulating and retrieving data in databases. This SQL tutorial will teach you how to use SQL in: MySQL, SQL Server, MS Access, Oracle, Sybase, Informix, Postgres, and other database systems. SQL Tutorial</p> <p>Year 12 Web based programming skills: Students need to develop their web based programming skills including: HTML, CCS and Javascript. Follow the w3schools.com tutorials in these 3 areas</p>
 Watching	<p>Years 10 to 13 BBC News Click Click</p>
 Listening	<p>Years 10 to 13 BBC Podcasts about the Digital Planet Digital Planet - Downloads</p>



Creative

Year 7

Scratch games

Year 8

Basic Python program(s) or game(s)

Year 9

Intermediate Python program(s) or game(s)

Year 10

Advanced Python program(s) or game(s)

Year 11

Advanced Python program(s) or game(s) using SQL

Year 12

A website using HTML, CSS and Javascript language



Trip/Visit

Year 7

The National Museum of Computing in Bletchley