# BEWDLEY SIXTH FORM
Learning for Life - Achievement for All

# Introduction to Post-16 Studies - Computer Science

Studying computer science at Bewdley Sixth Form is challenging and extremely rewarding. During the 2-year course you will gain an insight into key areas of computer science theory and become proficient in programming and problem solving. You will develop key skills such as computational thinking, programming by managing your own project.

The following challenges will help you develop some of the initial skills and knowledge needed for this course.

### Watch this documentary

#### 21st Century Hackers

Learn about the modern hacker and issues that face modern computer science, this will make you think, is hacking ethically right?

### Listen to this podcast

#### TED Tech

There are hundreds of hours worth of content, such as what a digital government might look like. Can be found at any podcast provider.

### Complete this online course

#### Python SoloLearn

Can be found on Google, this will give you a good grounding in Python programming using interactive lessons for free!

### Investigation

Why not utilise SoloLearn further and investigate another programming language, what about C# or C++?

### Read this article

#### Gaming and Mental Health

The WHO have controversially made gaming addiction a mental health disorder, do you agree? Find an article, give it a read.

### How to?

Find the answer to this question:
**What is considered an A Level worthy computer science project? What would you like to create for a project?**

### Useful links

The specification of the computer science course:
OCR Computer Science
My email:
cmu@bewdley.worcs.sch.uk
21st Century Hackers:
https://www.youtube.com/watch?v=koi54cPRlhQ&t=24s
SoloLearn:
https://www.sololearn.com
Gaming and Mental Health:
https://www.livescience.com/65580-video-game-addiction-mental-health-disorder.html
A Level specification:
https://www.ocr.org.uk/Images/170844-specification-accredited-a-level-gce-computer-science-h446.pdf