SUBJECT	Computer Science	Year	9	SUMMARY CURRICULUM PLAN

Subject content (What will be covered)	As a result, what students should know /understood	What students should be able to do	How students will be assessed	CEIAG (careers education information and guidance)	By when (Half term 1 > 6)
Thinking like a computer scientist Problem solving/Theory	How to be effective at problem solving and reducing problems in to manageable parts.	Analyse a problem, decompose the problem into success criteria and action each one.	• Summative assessment by teacher on assessment work.	How problem solving skills are used different careers.	HT1
Drawing and Manipulating shapes Block programming	That there is a relationship between art, maths and computer science and how to use block programming commands	Create artwork using an understanding of maths, art and movement, iteration and selection	• Formative assessment using peer feedback and teacher feedback in lessons. • Summative assessment by teacher on Logo created.	Careers in Programming, Art and maths explained.	HT5
Representing sound Theory	How sound is created and stored digitally	Create sound files and explain how they are made when digital. Explain how they are stored and sound types	• Formative assessment using teacher feedback. • Summative assessment by teacher on final unit activity. • Key assessed homework	Digital sound discussed and how it is involved as a career option.	HT 3
Podcasting Audacity	How to construct an effective podcast for a given context, and manipulate audio data.	Importing and editing audio data using Audacity. Exporting manipulated audio data as mp3 files.	• Formative assessment using self-assessment. • Summative assessment by peers and teacher on the Podcast produced.	Digital sound discussed and how it is involved as a career option.	HT 4
Programming Microbits	How to program Microbits.	Use programs to be able to use Microbits to perform a multitude of tasks	• Formative assessment using peer feedback. • Summative assessment by teacher on leaflet created. • Homework Quiz.	Careers in programming discussed (games making etc)	HT5
Summer Project Software use, research and presentation	How to independently research information and how to present the information effectively	Advance their knowledge on the units of work research and presenting their findings	• Formative assessment using peer feedback and teacher feedback in lessons. • Summative assessment by teacher on Logo created.	Careers from the units of work highlighted.	HT6