



Subject: Computing Year 5

Overview

Our year 5 computing curriculum is structured in units, using the Teach Computing Curriculum. It incorporates the National Centre for Computing Education's computing taxonomy to ensure comprehensive coverage of the subject with units building on each other from one key stage to the next.

Autumn

Autumn Term 1

Systems and searching

- Systems
- Computer systems and us
- Searching the web
- Selecting search results
- How search results are ranked
- How are searches influenced?

Autumn Term 2

Video production

- What is video?
- Filming techniques
- Using a storyboard
- Planning a video
- Importing and editing video
- Video evaluation

Assessment:

Formative assessment opportunities are provided throughout each lesson.

Summative assessment through multiple choice quizzes.

Spring

Spring Term 1

Programming A – Selection in physical computing

- Connecting Crumbles
- Combining output components
- Controlling with conditions
- Starting with selection
- Drawing designs
- Writing and testing algorithms

Spring Term 2

Data and information – Flat-file databases

- Creating a paper-based database
- Computer databases
- Using a database
- Using search tools
- Comparing data visually
- Databases in real life

Assessment:

Formative assessment opportunities are provided throughout each lesson.

Summative assessment through multiple choice quizzes.

Summer	Summer Term 1 Vector drawing • The drawing tools • Creating images • Making effective drawings • Layers and objects • Manipulating objects • Create a vector drawing	Assessment: Formative assessment opportunities are provided throughout each lesson. Summative assessment through multiple choice quizzes.
	Summer Term 2 Programming B – Selection in quizzes • Exploring conditions • Selecting outcomes • Asking questions • Designing a quiz • Testing a quiz • Evaluating a quiz	