



Subject: Computing Year 7

Overview

Our year 7 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

Clear messaging in digital media

- Get the message across
- Poster making
- Brand
- Creating a brand
- Adding content
- Presenting

Autumn Term 2

Networks: from semaphores to the internet

- Computer networks and protocols
- Networking hardware
- Wired and wireless networks
- The internet
- Internet services
- The World Wide Web

Assessment:

Formative assessment opportunities are provided throughout each lesson.

Summative assessment through multiple choice quizzes.

Spring

Spring Term 1

Programming I

- Introduction to programming and sequencing
- Sequence and variables
- Selection
- Operators
- Count-controlled iteration
- Problem-solving

Spring Term 2

Spreadsheets

- Getting to know a spreadsheet
- Quick calculations
- Collecting data
- Become a data master!
- Level up your data skills!

Assessment:

Formative assessment opportunities are provided throughout each lesson.

Summative assessment through multiple choice quizzes.

Summer Term 1**Programming II**

- You've got the moves!
- Fly cat fly!
- Loop the loop!
- Treasure those lists!
- Translate this! (Part 1)
- Translate this! (Part 2)

Summer Term 2**Gaining support for a cause**

- Features of a word processor
- Licensing appropriate images
- The credibility of sources
- Research and plan your blog
- Promoting your cause

Assessment:

Formative assessment opportunities are provided throughout each lesson.

Summative assessment through multiple choice quizzes.