



# GCSE Computer Science (9-1) - J277

Our GCSE in Computer Science is engaging and practical, encouraging creativity and problem solving. It encourages students to develop their understanding and application of the core concepts in computer science. Students also analyse problems in computational terms and devise creative solutions by designing, writing, testing and evaluating programs.

**1**

## Component 1

**50% WRITTEN EXAM**

### Component 01: Computer systems

Introduces students to the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security, system software and ethical issues.



**2**

## Component 2

**50% WRITTEN EXAM**

### Component 02: Computational Thinking

Introduces students to Computational thinking, algorithms and programming. Students apply knowledge and understanding gained in component 01. They develop skills and understanding in computational thinking: algorithms, programming techniques, producing robust programs, computational logic and translators.

### Assessment Overview

Component	Mark	Duration	Weighting
Component 1	80	1 hour 30 mins	50%
Component 2	80	1 hour 30 mins	50%

### Languages used during this course



Please get in touch with Mrs. E. Austin at [eea@malbank.cheshire.sch.uk](mailto:eea@malbank.cheshire.sch.uk)