



# COMPUTING: ACADEMIC ROUTE



BIDDULPH  
HIGH  
SCHOOL

Computing



Where will Computing take you next?

- Programmer
- Web Developer
- Teacher
- Games Designer
- Penetration Tester
- UX Designer
- Forensic Computer Analyst
- Data Analytics



1.4.1 Data Types

2.1.1 Programming Techniques

2.2.2 Computational Thinking

1.2.4 Data Storage

2.1.3 Searching and Sorting Algorithms

2.5.2 The Integrated Development Environment (IDE)

Welcome



Sit SATS in Y6

Discover the foundations of IT and Computer Science

MIDDLE SCHOOL

Build a solid foundation in education



Develop a lifelong love of learning

FIRST SCHOOL

YEAR 13

Continue your lifelong love of Computing

1.2.4 Types of Programming Language

1.3.4 Web Technologies

1.3.1 Compression, Encryption & Hashing

1.4.2 Data Structures

1.3.3 Networks

2.3.1 Algorithms

1.4.3 Boolean Algebra

A Level Results

Paper 1 & Paper 2 Examination

1.5.2 Moral & Ethical Issues

1.5.1 Computer Related Legislation

YEAR 11

2.1.1 to 2.1.5 Thinking Skills

1.2.3 Software Development

1.2.1 Systems Software

1.1.2 Types of Processor

1.1.1 Structure & function of the processor

YEAR 12

GCSE Results

Paper 1 & Paper 2 Examination

1.6.1 Ethical, Legal, Cultural and Environmental Impact

1.5.2 Utility Software

1.1.1 Architecture of CPU

1.1.3 Embedded Systems

1.2.2 Application Generation

1.1.3 Input, Output & Storage

1.3.2 Wired & Wireless Networks

1.4.2 Identifying & preventing vulnerabilities

1.5.1 Operating Systems

1.2.5 Compression

1.2.4 Data Storage

2.1.3 Searching and Sorting Algorithms

2.5.2 The Integrated Development Environment (IDE)

YEAR 11

1.2.4 Binary addition and shifts

2.4.1 Boolean Logic

2.3.2 Testing

1.2.4 Data Storage

2.2.1 Programming Fundamentals

2.1.1 Computational Thinking

YEAR 10

Getting Ready for KS4

2.5.1 Languages

2.3.1 Defensive Design

2.2.2 Data Types

2.1.2 Designing, creating and refining Algorithms

Digital Literacy

Introduction to Programming

E-Safety

Cyber Security



YEAR 9



User Interface

Data Representation

Spreadsheets

Getting Career Ready



MIDDLE SCHOOL



FIRST SCHOOL

'Achieve Excellence'