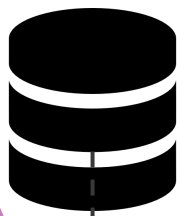


# Computing Curriculum Map (Year 8)

[2022 – 2023]



Assessment of HTML- knowledge and understanding

HTML and Web Development

Assessment of Databases – knowledge and understanding

Introduction to Databases

**Year 8 – Term 3 - Key concepts:** Basic HTML and CSS – including creating their own style sheets; Responsive design; Use of webforms; creating own website.

**Year 8 – Term 3 - Key concepts:** .Flat file and Relational databases; Field types and validation; Using queries and reports; input forms and menus.



Introduction to Data Modelling

Assessment of Data Modelling – skills, knowledge and understanding

Computer Animation

Assessment of Animation – knowledge, skills and understanding

**Year 8 – Term 2 - Key concepts:** Data modelling in real life; Features of spreadsheet software; Basic formula and functions; Use of charts.

**Year 8 – Term 2 - Key concepts:** Basic drawing and animation techniques – frame by frame; Using shape and motion tweens; use of layers; interaction with buttons; creating their own animation.



Assessment of Python programming – knowledge, skills and understanding

Introduction to Python Programming



Assessment of Computer Crime – knowledge and understanding

Computer Crime and Cyber Security

Rules of the Computer room

**Year 8 – Term 1 - Key concepts:** Decomposition and Abstraction; Sequence, selection and Iteration in a written language; Variables, functions, procedures, data types and structures.

**Year 8 – Term 1 - Key concepts:** Legal safeguards regarding computer use; Fraud, data privacy and hacking; Environmental issues.