FURNESS ACADEMY

CURRICULUM OVERVIEW

COMPUTING

YEAR 8 | KEY STAGE 3



UNIT 1 | DIGITAL LITERACY

Build confidence using digital technologies effectively, safely and responsibly.

UNIT 2 | WEB DESIGN

Create websites using HTML; consider layout, usability and functionality.

UNITS 3–4 | DATA & ALGORITHMS

Data handling; algorithm design and computational thinking through decomposition and logic.

UNITS 5–6 | CREATIVE COMPUTING

Programming in Python, alongside sound and video editing for digital products.

KEY SKILLS

Build and improve HTML websites • Handle and interpret digital data • Use iteration and variables in code • Edit multimedia and debug programs

PROGRESSION

Extend Year 7 foundations through more complex programming, iteration, data processing and functional web design, preparing for Year 9.

ENRICHMENT & APPLICATION

I Belong in Computing and Ada Computer Science online activities support wider engagement with computing.

FUTURE PATHWAYS

Builds the practical and analytical foundations for Year 9, GCSE Computer Science and Cambridge Nationals Information Technologies.