Computing Learning Journey

Computer Science   Digital Literacy   Information Technology   Skills for Life

The transfer ICT skills into college, employment and life skills

Intent: At Chelveston Road, Computing helps students acquire the necessary life skills they will need for when they move on into employment, college and daily life. We recognise that technology is everywhere and will play a pivotal part in students' lives. Therefore, we want to model and educate our students on how to use technology positively, responsibly and safely. Our curriculum encompasses computer science, information technology and digital literacy.

Implementation: We have created units of work that will embed and cover every element of the computing curriculum. The knowledge/skills ' I Can' statements build year on year to deepen and challenge our learners. Aa well as students accessing one lesson of computing each week, computing is also embedded across the curriculum.

Impact: Our students enjoy and value the curriculum we deliver. We will constantly ask the WHY behind their learning and not just the HOW. We want students to discuss, reflect and appreciate the impact computing has on their learning, development and well being. CRS use CREATE trackers and Go4schools for assessment. The system enables us to identify gaps in teaching and learning, determine where intervention is needed and measure progress within and across the school. Our Go4schools data shows us that all students are on track to meet their teacher target. The targets are informed and challenging. Students develop life-long skills to support them in contexts beyond the classroom.

Year 11

Use and apply all skills   Conditional formatting   Uses in the media   Using digital software tools   Preparing for employment

Databases   Digital Photography   Personal Documents

Uses in employment   Creating images for media use   Curriculum Vitae   Personal Details

Variety of formulae   Uses in employment   Uses in employment   Planning a PE Parkour course   Researching Parkour

Spreadsheets   Objects Based Graphics

Interrogate data   Using specific functions   Planning a room layout   Using specific tools

Y10 and Y11 AQA Accredited Courses

Year 10

Social Media rules   Personal safety   Referencing sites   High quality presentation   Variety of functions   Interrogate data

Internet Safety   Research and Presentation   Spreadsheets

Understanding cookies   Research   Skimming and scanning for relevance   Averaging   Different graphs

Research and enter data   Take photos   Save and insert photos   Design a maze   Add sensors and conditional codes

Databases   Digital Photography   Coding

Sort and filter   Conditional Formatting   Insert graphs   Use a variety of tools   Create Andy Warhol style art   Program   Add variables

Year 9

Enter data   Sort and filter   Insert graphs   Change codes and view effects   Problem solving   Tables and SmartArt   Paragraph tools

Databases   Programming - Lego   Word Processing

Decide on fields   Create own design   Use and apply skills   Team work   Use of the thesaurus   Spell check   Format and wrapping

Transfer photos   Change backdrops   Introduction to Scratch   Evaluate   Present using choice of software

Digital Photography   Coding Scratch/Purple Mash   Cyberbullying

SAY NO TO BULLYING

Take photos   Greater range of editing skills   Conditional statements   Repeat   Research   Understand impact

Year 8

Write calculations   Use variables   Variables   Create graphs   Introduction to photo software

POW!

Coding   Spreadsheets   Digital Photography

Create apps   Introduction to formulae   Take photos   Create cartoon strip

Create graphs   Introduction to sort and filter   Create regular shapes   Create patterns   Sending Attachments   Using emails

Databases   Programming - Logo   Internet Safety

Create own using a template   Research   More commands   Recipe for eSafe School   Dangers of the internet

Year 7

Introduction to Variables   Conditional Codes   Collect and input data   Pictograms   Basic commands   Basic shapes   Safety Rules

Coding-   Databases   Programming - Logo   Emails and www

Compose emails

Different start codes   Complete a template   Format tables   Purple Mash   Format the pen   Online searches   Reply and Reply All

Add transitions and animations   Presentation and evaluation   Microsoft Office   Word   PowerPoint   Publisher

PowerPoint – All About Me   CRS System - Baseline

all about me

Add images   Add slides   Word Processing Skills   Roll   1 + 3 = 4   Simulations   2Paint a Picture   Maths and English software

Beginning our Computing Journey

Every Child, Every Chance, Every Day