



A snapshot of how our BRICKS principles drive our **ELE Computing** curriculum:

Instil our **B**ritish Values including diversity:

- STEM afternoon - links to Computer Science and Technology which clearly demonstrates for the children the range of diverse figures who have careers across Science, Technology, Engineering and Maths. Our guest speakers are from our school community and local area who have careers in these areas.
- Our promotion of STEM careers raises the aspirations of our pupils, helps to broaden their horizons and exposes them to the myriad of careers they can pursue.
- Understanding that computing enables them to understand our rapidly changing world through the use of technology.
- Cross-curricular link with Black History - eg. Katherine Johnson (NASA)

Develop **R**esilience & Resourcefulness:

- Encountering new skills and persisting until they master it; this promotes optimism and determination.
- Using careful decision making and understanding how to most effectively carry out tasks.
- Our new curriculum is ensuring our students are digitally literate and competent users of technology.

Inspire critical thinking and independence:

- Children are challenged to explore new skills each half term.
- Children are encouraged to embrace tasks independently as well as part of a team.
- We encourage our students to carefully consider the factual accuracy of information found online and what a reliable source of information is.

Create articulate learners:

- Being able to rationalise their decision making when carrying out tasks or projects.
- Children are encouraged to verbally feedback what they are doing during Computing lessons to embed the skills they are learning and speak confidently about their learning in class.

Building upon **K**nowledge & skills:

- All pupils understand and apply the fundamental principles and concepts of computing, including logic, algorithms, abstractions and data representation. They can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve these problems.
- All staff teach their lessons with confidence, ensuring that each pupil has sufficient knowledge to progress through their school life and beyond.



Bricks into the Curriculum



Supporting well-being & health:

- The e-safety curriculum is embedded closely within the Essence curriculum which is dedicated to physical health and mental wellbeing - there is a focus on this each half term.
- Children often reflect upon the impact that computing has on their learning and wellbeing. They are able to find a balance between their online and offline life and understand why this balance is essential.
- We promote the use of technology in school and how it can be useful in our everyday lives. However, we also make sure children know that the overuse of technology can have a negative impact and that the use of some technology needs to be limited.