



Mary Tavy and Brentor Primary School

Computing Curriculum Statement

Intent Drivers – Our Core Values

Perseverance

Aspiration

Respect

Collaboration

INTENT

At MTB, we place great importance on a curriculum which develops the whole child, inspiring our children to achieve their potential and shine brightly in their own unique way. A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. This will then equip children to thrive in a world with ever changing technology and inspire children to be the creators and inventors of tomorrow. Growing together, we learn together and succeed.

IMPLEMENTATION

EYFS

Technology ELG: ‘children recognise that a range of technology is used in places such as homes and schools.’ Children are encouraged to use and experiment with a range of technology in our EYFS.

The **national curriculum** is covered over five sections.

Computer Science

At MTB children use Computational Thinking to explore, modify, create and debug algorithms and programs.

Media

At MTB children make digital creations, including text based documents, presentations, 2D and 3D plans and models, films, animations, music and recordings.

Data Handling

We have opportunity to collect analyse and process data.

Information Literacy

Locate and interpret information from a variety of sources. Be aware of bias, inaccuracy and implausibility.

eSafeguarding

It is important our children learn to use digital technologies in a safe and responsible manner and how to respond to risks online.

IMPACT

Pupils leave MTB with a secure understanding of the academic content of our national curriculum and by the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study. Our computing curriculum provides the children with the skills and knowledge needed for the next chapter and later life. We aim for all of our children to leave MTB as respectful, skilful, ambitious young people with a thirst for life and all it has to offer.