Subject on a page: Computing

At Leverington, we believe computing, and the associated skills and knowledge, has a crucial role in our lives and a positive attitude towards the subject is essential for success.

Intent—We aim to...

Instil children and parents with a positive attitude and passion for computing.

Create a safe learning environment in which children are free to take risks and make mistakes, understanding that these will help us to learn.

Ensure all children can safely navigate the potential problems and hazards that they may encounter in the online world.

Nurture resilience and inquisitiveness for all children to become creative problem solvers.

Embed computing skills across the curriculum so pupils understand how to apply to real life contexts.

Develop a consistent approach to computing teaching in order to close any gaps and to create responsible and sensible digital citizens.

Implementation—How do we achieve our aims?

Our approach → Teach Computing

Teach Computing

E-safety

The most important aspect of our computing teaching is online safety. This is regularly recapped with high quality teaching and learning resources and children are acutely aware of not only the dangers but also the bonuses behind being active online.

They are regularly shown how to report problems and concerns that they may have and they are also aware of how social media can affect their mental health and wellbeing. They are shown how to be sensible and responsible online and are taught with the concept of their online activity being akin to a 'digital' tattoo : namely, once something has been done online it is almost impossible to remove.

The Curriculum

The school uses the planning and lesson materials from the Teach Computing scheme. This is a government backed scheme of computing lessons that teaches explicit computing knowledge and ensures that learners are provided with a well-rounded curriculum based on content that will help them not only in computing sessions, but in the wider curriculum as a whole.

Assessment is carried out at the end of a unit of work and is done summatively, either via quiz, or through a number of in-class methods (hands/thumbs up or down) that help the class teacher to understand how well the children have understood a concept.

This work is delivered using the schools supply of Apple iPad tablets and allows each child to have high quality, efficient (and working) access to a range of apps and resources, including the internet, and various ways of presenting their work.
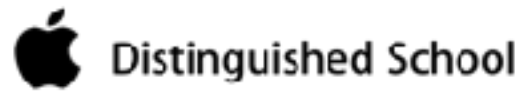
showbie

Computing Across the Curriculum

The cross-curricular nature of computing allows for it to be a very high profile part of our provision and we are pleased that this is the case.

Technology is used to good effect across the curriculum including daily for reading and writing as well for art and DT sessions.

It also used effectively to support our SEND children, some of which have their own devices as part of support plans. Here it is used effectively to overcome barriers to learning and to help include all children to achieve their best. The Digital VLE Showbie is used from EYFS to Year 6 to distribute, collect, mark and feedback to work.

Technology is also used effectively by staff to help deliver high quality lessons. Each class teacher has their own Apple iPad and Apple Pencil that connects wirelessly to the class board. This 'untethers' the teacher from the front of the classroom and allows for new and improved learning possibilities.

All staff are helped to achieve their Apple Teacher Badges and to use the skills that this development program involves when teaching:

Apple Teacher

Moving Forward

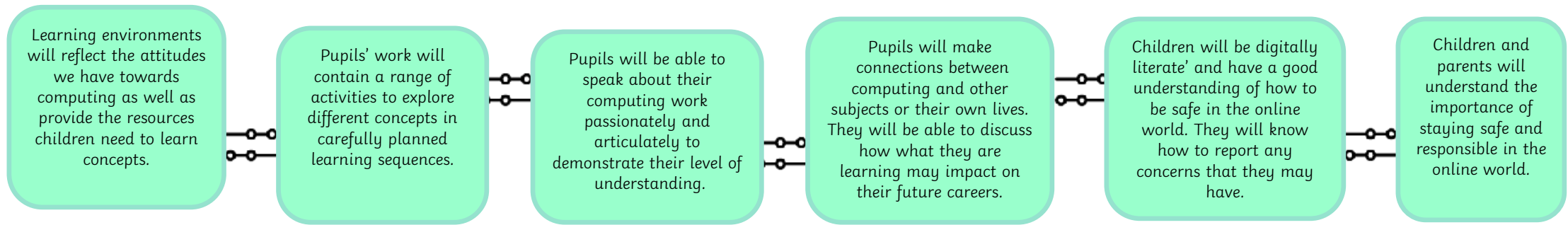### Distinguished School

Apple Distinguished School

We are immensely proud of the provision that we have for teaching computing and for using technology across the curriculum. As a school we are committed to providing a device for every child (1:1) and have chosen Apple iPad as the best device with which to do this.

Our subject leader is an Apple Distinguished Educator and as a school we are embarking on the journey of gaining Apple Distinguished School status. This will enable us to showcase our exemplary use of technology and teaching of computing. We have drawn up a five year plan (beginning academic year 20/21) in which to resource and accomplish this goal.

Impact—How will we know we achieved our aims?

Learning environments will reflect the attitudes we have towards computing as well as provide the resources children need to learn concepts.	Pupils' work will contain a range of activities to explore different concepts in carefully planned learning sequences.	Pupils will be able to speak about their computing work passionately and articulately to demonstrate their level of understanding.	Pupils will make connections between computing and other subjects or their own lives. They will be able to discuss how what they are learning may impact on their future careers.	Children will be digitally literate' and have a good understanding of how to be safe in the online world. They will know how to report any concerns that they may have.	Children and parents will understand the importance of staying safe and responsible in the online world.