

Computing

Intent

At Willington Primary School our intent is to provide a progressive and challenging curriculum, which is meaningful, relevant, enjoyable and develops skills for lifelong learning.

We use Teach Computing as this provides a clear sequence and progression of lessons. We aspire for all children to be digitally literate with the knowledge, understanding and skills that are necessary for them to be able to use, express themselves and develop their ideas with computing. Teach Computing lessons are supported by additional digital literacy lessons, from Project Evolve and other sources, in order to ensure pupils are learning the skills required to keep themselves safe online.

At Willington Primary School, we believe that Computing should cover the following aspects:

- To develop the understanding of how to use computers and digital tools safely and responsibly.
- To develop pupil's computational thinking skills that will benefit them throughout their lives.
- To meet the requirements of the National Curriculum programmes of study for Computing at Key Stage 1 and 2.
- To respond to new developments in technology.
- To equip pupils with the confidence and skills to use digital tools and technologies throughout their lives.
- To enhance and enrich learning in other areas of the curriculum using Computing.

Implementation

Computing lessons follow the planning developed by Teach Computing, which is provided by the National Centre for Computing Education (funded by the Department for Education). Quality First Teaching strategies are used to support all learners in developing their Computing skills and knowledge. We deliver a clear sequence of lessons to pupils, that are built upon each year, to allow pupils to become more confident and proficient in Computing, through revisiting prior learning and extending it.

Every class has access to iPads/laptops, which are also used in other curriculum areas which supports the pupils' understanding of the practical use and application of their skills.

Online safety is woven throughout the year using resources from Project Evolve, and National Online Safety, to ensure pupils can keep themselves safe online. Online Safety is focused upon during Safer Internet Day (February each year) which provides a platform for important discussions around the theme of that year and promotes online safety with parents/carers. Safety resources from National Online Safety are shared with parents/carers regularly.

We have a pupil voice group, the i-Vengers, who work to raise awareness of online safety and raise its profile within school, with both pupils and parents/carers.

Pupils' learning is further developed by the availability of technology clubs that take place after school.

Impact

Our curriculum aims to improve the computing skills that fall within the three Computing areas of the National Curriculum: computer science, information technology and digital literacy. Within our lessons, children are taught how to keep themselves safe online in addition to developing their practical skills and knowledge. AFL opportunities are built into our lessons and children are given live feedback throughout.

Our impact is therefore to motivate children to utilise these underpinning skills in an independent and effective way in order to allow them to safe and proficient in our ever-changing online and technology based world.

Learning walks, questionnaires and lesson observations are built into the whole school monitoring cycle.

CPD opportunities are provided for staff regularly.