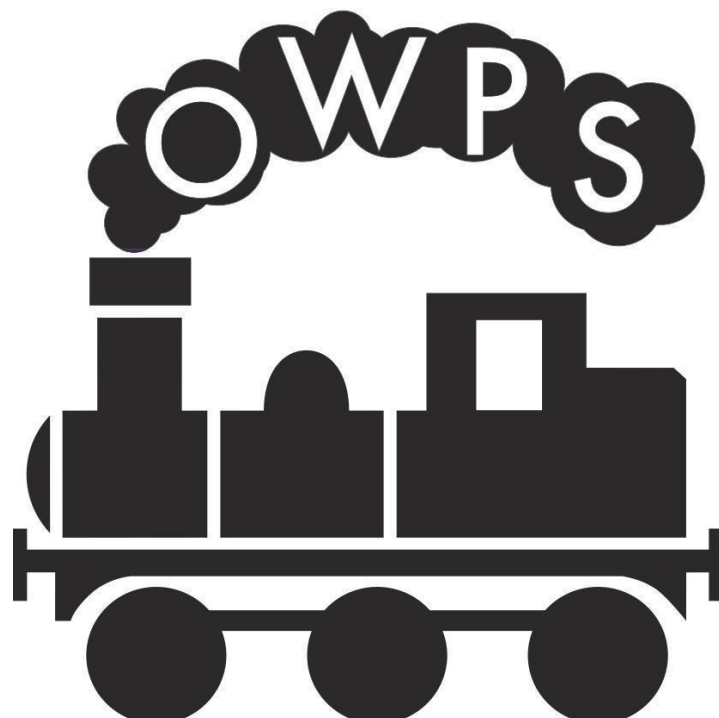


Orton Wistow Primary School



What does Computing look like?

This document will outline how Computing is taught across our school.

H. Fidgett
April 2023

Our Vision

At Orton Wistow Primary School, we endeavour to deliver a rich and varied Computing Curriculum, in line with national expectations.

We acknowledge the ever-growing demand of computing in occupations around the world and are committed to developing pupils' skills and knowledge as lifelong users and creators of technology. We aim to develop confident, fluent and enthusiastic computer scientists by the time they leave Primary School. Computer Science is taught as discrete lessons in every year group whilst Information Technology is embedded within cross-curricular learning opportunities.

How We Teach Computing

At OWPS, in line with National Curriculum expectations, pupils are taught the principles of information and computation through discrete Computer Science lessons taking place across the 3 terms. Progression of skills can be seen in Computing with the use of the Purple Mash Computing Scheme, in which year groups follow lessons using the 2Code platform. Alongside Purple Mash, all year groups can also apply the principles of Computer Science through physical programming opportunities as follows:

FS- Year 2- Beebots
Year 3-4- Lego WeDo
Year 5-6- Crumble Kits

The early learning goals which link to our Computing curriculum are:

- Be confident to try new activities and show independence, resilience and perseverance in the face of challenges.
- Work and play cooperatively and take turns with others.
- Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate.

Links are continually made with the other STEM subjects, with STEM and STEAM events planned during the academic year to encourage children to be creative and confident in Computing.

Barefoot Computing is also used as an additional tool across KS1 and KS2 to give pupils unplugged opportunities to understand and apply computational thinking skills.

Efforts have been made to make purposeful technological links to other curriculum areas to develop pupils' ability to collect, analyse, evaluate and present information. In every year group, pupils will produce at least one learning outcome using technology each term.

Although Computing education is not explicitly required as part of the Foundation Stage curriculum, pupils in Reception are exposed to a range of technology including i-pads, chrome books and Beebots. In readiness for Key Stage 1, EYFS staff focus on developing pupils' independence in using technology, debugging issues and appropriately handling equipment.

Provision for SEN and More Able Pupils

Each Computer Science Unit of study considers time for pupils to use and apply terminology, to observe live modelling from teachers, to predict the behaviour of programs and to tinker with programs themselves. The unit will also allow for More Able pupils to show mastery of the concepts taught, by providing them with the vehicle to be creators and not just users. Units of study incorporate open ended project work for children to showcase their understanding and skill.

Computing and Information Technology are essential tools for inclusion. They enable children with SEND, whatever their needs, to use technology purposefully in ways that make the wider curriculum accessible, empower those with communication difficulties to engage with others and to fully include everyone in activities and learning. Our curriculum offers children with SEND varied and engaging ways to communicate, collaborate, express ideas and demonstrate success. From programming animations,

games and apps to creating rich technological content – all pupils have an opportunity to participate, be challenged, learn and progress.

Assessment

The process of assessment in Computing is an ongoing process throughout the unit of study being covered. Assessment for each pupil is made against the specific objectives in the lesson and these are outlined on teacher's Insight statements as well as on the children's knowledge organisers.

Assessment is recorded on Insight and children are assessed using the following terminology: Below, KM Below, Just Below, Expected, KM Above, Above.