



## Computing Policy

At Pleasant Street Primary School, we believe that developing a child's computing skills is vital for their successful future. In an ever-changing world where technology is leading the way, we aim to develop confidence and enthusiasm of the topic and to explore computational thinking. We want pupils to grow throughout their path in their computing education; for them to aim high in their future aspirations to become engineers, programmers, developers and anything they set their talents to. Our lessons should be ones that pupils remember with fondness and to engage with the broad range of opportunities that go above and beyond that of a regular primary school curriculum expectation.

The safety of our children within the growing and developing technological world is paramount – we empower our pupils to become confident, aware, and capable users of the online world. Through regular STEM opportunities being delivered, to the higher-level technology present within the school. At our school we treat Computing as more than a curriculum subject but as a way to integrate a community within the school that provides up-to-date information to help families. Parental support is offered through Seesaw.

### Aims

Our aim is to ensure that pupils who attend our school:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- can analyse problems in computational terms, and have repeated the practical experience of writing computer programs in order to solve such problems.
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
- are responsible, competent, confident and creative users of information and communication technology.

### Expectations

It is expected that by the time a child leaves our school at the end of KS2, they will have developed an understanding and a high level of enjoyment within Computing as a whole subject. They should be fluent with Information Technology and its uses. Children will be expected to be confident to display and debug codes and algorithms within Computer Science. Pupils at our school should be clear of how ICT can be used beyond school.

### Curriculum, teaching and learning

Children are taught in their normal class group for Computing and lessons are to take place within the Computing Suite as much as is possible. Vocabulary is consistently built upon as children journey through the school. The curriculum is built upon previous experience and teachers should refer to prior learning at the start of topics to aid pupil retention.



### **Assessment, recording and reporting**

Children are assessed against the national curriculum targets that are relevant to the topic given to that year group. Objectives are clear at the start of every topic plan and are used to form the topic lesson progression. Assessment is ongoing throughout the topic and is used in conjunction with end of topic questions that are provided within the planning to form a final teacher judgement for each child in the topic. At the end of the topic, this final judgement is passed to the Computing lead, who uses it to set targets and address areas of growth and specific target groups.

### **Staff development**

Teachers are kept up to date with new subject knowledge and how to implement it with the curriculum. Planning is available to staff at all times, and support and guidance if offered throughout so that staff are clear on expectations, learning outcomes and any potential need for CPD can be discussed and addressed. During whole school monitoring and evaluation, further training needs are also identified.

### **Resources**

Resources are up-to-date and often leading technology is brought into the classrooms through “Awe and Wonder” lessons as well as ongoing MGL support. Resources are specific to each topic. We have access to both a Computing suite with laptops and a phase set of iPads available to support learning at any time. Any other resources that teacher feel could enhance learning or support learning within their topics should be evaluated and added to the topic evaluation so that it can then be sourced.

### **Monitoring and evaluation**

Computing is monitored through Floorbook looks, walk arounds, pupil interviews and teacher feedback.