

Computing

Our Computing curriculum is designed to enable children to become digitally literate; to develop the knowledge and skills necessary to fully participate in modern life. We expose the children to a broad range of software and technologies and allow them to experience them in different ways and contexts.

We teach Computing in KS1 in discrete Computing sessions and then develop opportunities to allow the children to apply their digital literacy across the curriculum. Alongside digital literacy, children learn about Information Technology (select and combine a variety of software including the internet) and Computer Science (how computers work including algorithms and programming). We aim for children to have as much exposure to learning about and with digital technologies as possible.

E-Safety is developed in school through each unit of work. Children are also exposed to E-Safety workshops delivered by organisations such as West Yorkshire Police.

Learning Opportunities

Teachers use the iCompute scheme of work to ensure coverage of the National Curriculum. This scheme provides videos and tutorials to support teachers in the delivery of the lessons and provides clear expectations for each lesson. Each unit provides teachers with an introduction that informs children of any prior learning and shows how it is linked to the National Curriculum. Teachers are then provided with a step by step plan of how to teach the unit.

Progression

iCompute's curriculum is designed to build on prior learning and lessons are sequenced throughout the primary phase for progression where all learning builds towards clearly defined end points:

- end of unit
- end of year
- end of Key Stage

Teachers are provided with progression maps that help show how each unit builds on previous learning and how key knowledge and skills are revisited throughout the curriculum.

Assessment

The key assessment tasks provided within the units provide criteria for each area of the National Curriculum with the expectations for pupils working towards, meeting and exceeding expectations. Each unit has key assessment opportunities that link to our progression framework. The assessment opportunities allow teachers to monitor the progress made by individual pupils and review areas where the class excel or where learning needs to be revisited or consolidated.

Formative assessment opportunities are integrated throughout the units. These opportunities check understanding, identify misconceptions, enable direct feedback and allow for adaptation without unnecessary elaboration or differentiation.

Finally, an online end-of-unit quiz is also included in each unit. These are designed to enable pupils to assess their own progress in acquiring knowledge and to support retention of the information. They can also provide the teacher with a quick check where an aspect of learning needs revisiting and reinforcing.