Subject Overview – 2022/23 – Layton Primary School

At Layton, we believe that learning takes place over time, resulting in a change in long term memory from Unconsciously incompetent to Unconsciously competent, and involves forgetting, revising, consolidating, extending and applying knowledge in a variety of contexts. To do this, children need to think deeply and critically about subject matter and engage with difficult concepts. Learning is, and should be, hard.

Impact

Children learn skills that can be transferred to other apps and programmes (some which haven't yet been invented)

Children feel more prepared for jobs that have not yet been invented

Children can consolidate, extend and apply their knowledge to a variety of resources and contexts.

Children of all abilities can choose how to demonstrate their learning in a way that suits them.

Teachers feel more confident embedding computing in different contexts by transferring skills to other mediums

Implementation

Opportunity to use computing cross curricular.

Use all critical thinking skills within a range of coding contexts

Variety of resources used to apply to different contexts

Opportunity to demonstrate learning through different mediums.

Teachers will work with computing leads during staff meetings, resource training and evaluations to create detailed overviews.

Detailed overviews, which include concepts and tier three vocabulary

Committed computing leaders maintain development/ support teachers

A clear progression across the whole school will be evident. Skills, knowledge and understanding will be built upon year on year and applied in different contexts.

Intent

Computing

to choose and use a range of ICT appropriately to shape and communicate learning in an ever changing world.

Communicate To use technology to communicate ideas and learning in a safe way.

Connect To develop an understanding of how to safely connect with others.

Collect: to develop an understanding of databases and their uses.

Code To develop an understanding of: instructions, logic and sequence.

Bespoke and ambitious curriculum designed to ensure progression in skills and knowledge over time

Children to think critically when coding, knowing how to debug to solve errors