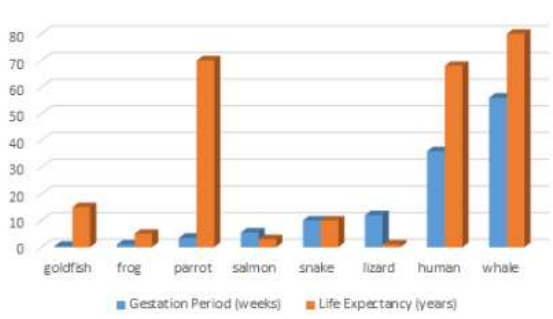
Computing

Children will receive a high-quality computing education which equips pupils to use computational thinking and creativity to understand and change the world. Children will be digitally literate at a suitable level in preparation for future workplace and as active participants in a digital world.

We offer a **broad** and **balanced** computing curriculum that has been mapped out **sequentially**, enabling children to build on prior learning and make connections between concepts, skills and knowledge for example in Key Stage 1, children code using Scratch Jr before moving on in Key Stage 2 to the use of block coding to write more complex algorithms using Scratch. These skills can then be applied to more practical devices such as MicroBits in Upper Key stage 2.

Our computing curriculum is **inclusive,** ensuring we meet individual children's needs whilst also promoting an empathic culture. Within lessons, assessments inform teaching staff of next steps of learning.

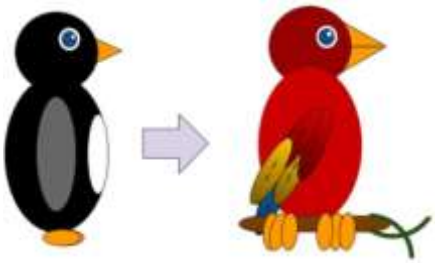
Reading is at the heart of our curriculum as we appreciate the successes that can be gained from being a fluent and avid reader. The core of computing is computer science, in which pupils are taught the principles of information and computation. They will research how digital systems work and how to put this knowledge to use through programming.



Opportunities for practising and **securing basic skills** across key subject areas are embedded and it is an expectation that these skills are applied and developed. Children will become digitally literate and learn basic skills such as word processing and taught the use of software which they are likely to encounter in their daily lives and further education.

Oracy is given high priority within our curriculum as it is essential for many of our children to accelerate in this area and leave our school having the necessary skills to be articulate, express themselves and have a secure knowledge and understanding of the National Curriculum expectations and beyond. There is a clear progression of subject specific vocabulary for children to use when learning about the digital world around them and using and understanding this vocabulary is crucial to becoming an active participant in the digital world.

Computing



Children will have a **wealth of opportunities** to develop skills, knowledge and understanding beyond the classroom. We want to provide our children with a range of experiences which excites, engages and deepens their learning. We will provide children with access to new technology for them to learn and apply their skills within and allow them workshops with specialists.

We absolutely value **Personal, Social, Health and Economics** as an isolated subject and also recognise the need to root PSHE within our full curriculum offer. We are relentless in our drive to ensure children make the **right choices**, be resilient and proud of their achievements. Children are taught how to use technology safely and respectfully, recognising acceptable and inappropriate behaviour and knowing a range of ways to report concerns about contact and content. It is important to us that we champion all of our children so that they can flourish, be positive, safe, happy and successful citizens of society.