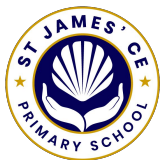


COMMITTED TO EXCELLENCE

Computing at St James





Our Computing Curriculum

The STEM agenda is at the heart of the curriculum at St James.

We are a school that is 'committed to excellence' and have enlisted the expertise of a subject specialist to support our teaching staff to plan and deliver a bespoke, challenging Computing curriculum.





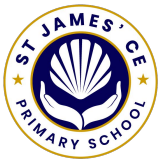
Our Vision

At St. James primary school, we aim to give pupils the skills they will need to live in a world where technology plays an essential role and advances rapidly. We believe that Computing is an important part of a child's educational development and key to enabling them to access the ever growing importance of technology.

By the end of year 6, our children leave St James with:

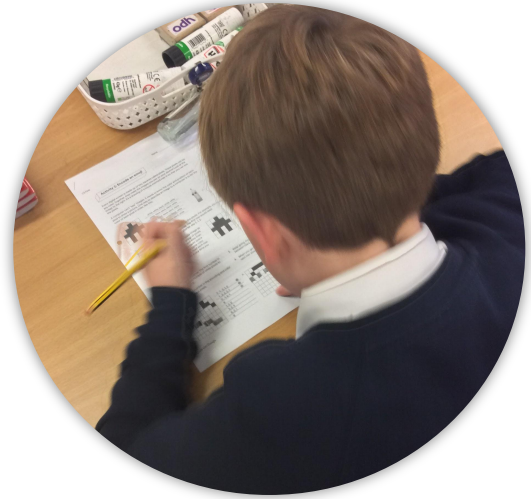
- ★ the knowledge and understanding to be responsible and well-informed users of technology.
- ★ the skills to be creative and resilient problem solvers in a rapidly changing technological environment.
- ★ the knowledge and skills to be confident users of technology.





Our Enhanced Computing Curriculum

- Subject specialist teaching
- Visits and collaboration with trust schools
- Use of and exploration of AI
- Cross-curricular projects combining disciplines for a purpose, including technologies such as BBC Micro:Bit

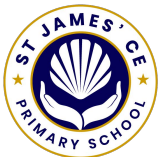




Planning

With the support of a subject specialist, class teachers plan lessons using a range of high-quality resources that are at the height of technological development. This includes resources from Google Education, the National Centre for Computing Education and Common Sense Education.





Progression

Computing Overview				
Year 6	Variables in Games	Webpage Creation	Communication & Collaboration	Introduction to Spreadsheets
Year 5	Selection in Physical Computing	Selection in Quizzes	Systems & Searching	Flat-File Databases
Year 4	The Internet	Audio Production	Repetition in Shapes	Data Logging
Year 3	Connecting Computers	Stop-Frame Animation	Sequencing Sounds	Events and Actions in Programs
Year 2	Information Technology Around Us	Digital Photography	Robot Algorithms	Pictograms
Year 1	Technology Around Us	Digital Painting	Moving a Robot	Grouping Data
Autumn		Spring		

Our Computing curriculum has been designed to develop pupils' knowledge, skills and understanding in small steps. It provides our children with the opportunity to revisit, consolidate and extend their learning about key concepts of Computing.





Digital Leaders



Children in Years 2-6 have the opportunity to become Digital Leaders. They are representatives from each class who promote the safe and responsible use of technology in our classrooms and beyond. They meet with our Computing lead, plan and deliver presentations, initiatives and events across school.





Assessment

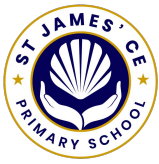


Ongoing formative assessment monitors both the knowledge and skills that children are developing in their Science lesson.

Annually, a summative judgement of children's achievement is made and reported to parents.

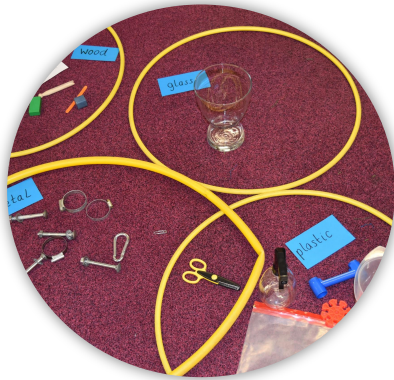
This is supported by the moderation of judgements by a subject specialist.





Inclusion

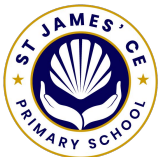
We believe that all children, including those identified as having a special educational need or a disability (SEND) have a common entitlement to a broad and balanced academic and social curriculum, which is accessible to them, and to be fully included in all aspects of school life.



We ensure that our Computing curriculum is inclusive through:

- Effective adaptations and scaffolding
- Concrete resources and hands-on activities
- Labelled/carefully selected resources
- Effective deployment of additional adults when necessary
- Use of social stories to promote e-safety and responsibility





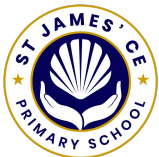
Monitoring

The Computing lead monitors the teaching and learning in Computing across the school.

This takes the form of:

- Lesson observations
- Drop-ins/learning walks
- Book and Scrapbook scrutinies
- Work scrutinies
- Pupil and staff voice





School Improvement

The monitoring undertaken serves to inform the organisation of training opportunities provided for staff to develop practise further.

This also informs the curriculum development plan which is written annually and is used to update the school's governors on the priorities for the advancement of Computing for the next academic year.





Development

All staff at St James are 'committed to excellence' and continually develop their practise to provide enriching, challenging learning experiences for our children.



Our subject lead and external specialist work collaboratively with staff to identify areas for development in the curriculum and to develop teachers' subject and pedagogical knowledge.

Teachers access continuing professional development from organisations such as [Teach Computing](#) and STEM Learning.

