



Computing Policy Statement of Intent, Implement and Impact

Intent

At St. Vincent's we endeavour to provide a broad and balanced Computing Curriculum that enable our children to become lifelong explorers of Technology in a socially responsible and safe way. We strive for them to become autonomous, independent users of computing technology, developing confidence, creativity, resilience, self-evaluation, problem solving and critical thinking skills.

Implementation

In order to achieve our Intent our Teachers and Leaders will aim for the following in each area.

Planning

- Plan creative computing lessons following the schools 'Yearly overviews' documents ([Appendix 1](#)). These sessions should be 1 hour a week.
- In addition to our Computing lessons, staff should plan at least one cross curricular session where the pupils use technology to enhance learning.
- Ensure online safety is of high importance within each lesson when appropriate or as a standalone lesson.

Evaluate teaching, resources and skills

- seek support from the subject leader when CPD is required
- continue to evaluate Computing Assessment data ([Appendix 1](#)) and curriculum coverage
- gather evidence of children's work throughout school and from a range of abilities. This can be stored on iPads, Pupil Share on laptop or in pupils Computing Learning Journey books.
- continue to update resources within school to ensure children have access to high quality resources.
- constantly review the digital divide does not become a barrier to pupils in their class's learning especially for the most vulnerable and Pupil Premium.

Online Safety

- Share our Online safety rules with pupils at the start of each academic year.
- Invite parents to biannual Online Safety evening in school to share the most up to date resources and guidance with parents and carers.
- Continue to develop the Online Safety Team within school.
- gather biannual 'Pupil Voice' so that their voice is heard in regards to the school's Computing curriculum and Online Safety

Impact

By the time pupil leave St Vincent's Primary School they will

- use computing equipment safely and respectfully
- achieve age related expectations in Computing at the end of their cohort year
- have key knowledge and skills in the three main areas of the computing curriculum:
 - **computer science** (programming and understanding how digital systems work)
 - **information technology** (using computer systems to store, retrieve and send information)
 - **digital literacy** (evaluating digital content and using technology safely and respectfully).

Assessment of Computing

Below is an example of one of our year group Assessment Overview.

Computing Assessment 2021 Onwards - Year 1

Highlight any objectives **green** if taught, **Red** if it was not taught or **Yellow** if it needs consolidating. For each unit write the name of each child in the appropriate heading according to their 'best fit' achievement. **Key SEN: highlighted** **Pupil Premium: *** **EAL: underline**

Unit	Computing Systems and Networks - Technology around us	Creating Media - Digital Painting	Programming A - Moving a Robot	Data and Information - Grouping Data	Creating Media - Digital Writing	Programming B - An Introduction to Animations
End Points	To identify technology To identify a computer and its main parts To use a mouse in different ways To use a keyboard to type To use the keyboard to edit text To create rules for using technology responsibly	To describe what different freehand tools do To use the shape tool and the line tools To make careful choices when painting a digital picture To explain why I chose the tools I used To use a computer on my own to paint a picture To compare painting a picture on a computer and on paper	To explain what a given command will do To act out a given word To combine forwards and backwards commands to make a sequence To combine four direction commands to make sequences To plan a simple program To find more than one solution to a problem	To label objects To identify that objects can be counted To describe objects in different ways To count objects with the same properties To compare groups of objects To answer questions about groups of objects	To use a computer to write To add and remove text on a computer To identify that the look of text can be changed on a computer To make careful choices when changing text To explain why I used the tools that I chose To compare writing on a computer with writing on paper	To choose a command for a given purpose To show that a series of commands can be joined together To identify the effect of changing a value To explain that each sprite has its own instructions To design the parts of a project To use my algorithm to create a program
Online Safety						
End Points						
Assessment						
Em						
Exp						
GD						
Any other comments						

- End Points are highlighted **green** if taught, **Red** if it was not taught or **Yellow** if it needs consolidating. This is then revisited in the year and shared with the next class teacher to ensure any gaps are covered the following year.
- During each unit, the class teacher will assess pupils as Emerging, Expected or Greater Depth for each unit on a 'best fit' judgements. These judgments are based on observations throughout the learning process and through end of unit assessment tasks.
- At the end of the Year, 'Best fit' judgements are also used to assess children. This is then recorded on the 'Whole school Foundation subject trackers'.
- SEN, Pupil Premium and EAL pupils are identified on the trackers to enable us to monitor progress more clearly. SEN pupils are highlighted **pink**, Pupil Premium are starred * and EAL underlined.
- End of year judgements will be shared with parents and carers in the end of year report.

Computing in the Early Years Foundation Stage

Despite computing not being explicitly mentioned within the [Early Years Foundation Stage \(EYFS\) statutory framework 2022](#), there are many opportunities for young children to use technology to solve problems and produce creative outcomes.

In addition, many areas of the framework provide opportunities for pupils to develop their ability to use computational thinking effectively, such as through undertaking projects involving the concepts and approaches.

Computational Thinking includes, and is not limited to:

At St Vincent's, the Computing and EYFS Lead have worked together to create end points for Reception children which will support them as they transition to Year 1. These are a guidance more than a strict criterion and the EYFS Lead will develop this further and always link it to the children interests and needs.

At the end of each year, the EYFS Lead will highlight the End points and suggested Barefoot units to inform the Year 1 Teacher of pupils starting points.

Computing in EYFS		
EYFS End points	In Reception, pupils will have an opportunity to meet the following End Points that will support them as they move to Year 1. They include but are not limited to - <ul style="list-style-type: none"> I can take photos. I know I have to ask permission before taking someone's photo I can handle an iPad safely, holding it with two hands and keeping it away from water. I can create simple drawing on a touch screen. I can name 3 people I can speak to if I see something online that makes me feel uncomfortable. I can explore programable toys. I am beginning to use positional and directional language. I can follow verbal instructions. I can sort/group objects in a variety of ways. I can sequence instructions and simple stories. 	
	BELOW ARE SUGGESTED ACTIVITIES. CENTRAL TO THIS IS FOLLOWING ON FROM THE CHILDRENS INTERESTS AND CURIOSITY. PUTTING THE CHILD AT THE CENTER.	
	Autumn	Spring
	Barefoot – Awesome Autumn <ul style="list-style-type: none"> Garlands Galore Lead Labyrinth Pumpkin Soup Barefoot – Winter Warmers <ul style="list-style-type: none"> Bird feeders Let's make an igloo Scarves for snowman 	Barefoot – Springtime <ul style="list-style-type: none"> Scarecrows Rabbit run Seed sequencing Barefoot – Busy Bodies <ul style="list-style-type: none"> Look how we grow Make a body Parts of our body.
	Summer	
	Barefoot – Summer Fun <ul style="list-style-type: none"> Colour Collections Seaside Tangrams Journeys Barefoot – Boats Ahoy <ul style="list-style-type: none"> Build a boat Is this a good boat? What is a boat? Onboard – Role play activity. 	
	End of Year Judgements	
	Emerging	Expected
	Greater Depth	

SEN - Strategies to Scaffold Learning for pupils with Special Educational needs

The following strategies to support all learners have been taken from 'Teacher Handbook - Embedding Good Practice' by Whole School SEND Dec 2021.

How can I support learners who struggle to access lessons because of literacy difficulties?

- Model the correct use of vocabulary. Show examples of common errors/misconceptions and work with learners to improve literacy within given text.
- For those with appropriate access arrangements, encourage the use of a reader to support learners in reading and interpreting large sections of text.
- Chunk key information and create clear, easy-to-follow checklists. This can help your learner focus on one section at a time and have a clear set of goals.
- During classroom discussions, listen to the answers given and when re-iterating points, rephrase sentences to include key vocabulary.
- Consider your classroom display and how you can promote the definitions and use of Tier 2 words.
- Provide learners with a glossary of key terms which they can refer to during the lesson.

How can I support learners who struggle to retain vocabulary?

- Embed opportunities to recall key terms within lessons. Memorisation techniques such as tracked retrieval practice can give learners the opportunity to revisit topics across the curriculum.
- Provides learners with a glossary of key terms which they can refer to during the lesson.
- Use rephrasing techniques to strengthen learner answers with correct vocabulary.
- • Introduce new terms slowly and rehearse new words. Get learners to interact with the key terms in various ways such as writing, speaking, mini games, questioning and more.

How can I support learners who need additional time to develop conceptual understanding?

- Model answers and get learners to look at and discuss completed examples.
- Assess and use learners' prior knowledge to create links between old and new content.
- Walk through examples together, giving learners the opportunity to ask questions.
- Address misconceptions early.

How can I support learners who struggle with attention?

- Learn what hobbies or topics the learners are interested in. Find ways to incorporate this into lessons and questions. Use learners' names in written questions to further engage them in text.
- Give clear instructions within the form of a checklist. This will break down the task into more manageable chunks.
- Praise learners on their contributions and for targets met, encourage them to continue and to have a growth mindset.
- Consider the learning environment and potential distractions and make appropriate arrangements to remove these barriers.
- Ensure instructions are clear and signposted.
- Be concise in teacher-led delivery. Chunk material in larger topics so learners can complete a range of engaging activities.
- Check in with the learners throughout the activity, initially to check they have understood the task, to praise work completed and to challenge them further