

COMPUTING CURRICULUM OVERVIEW

St Mary's Computing Curriculum Overview 2023-24 by term.

CS – Computer Science unit

DL – Digital Literacy Unit

PE – Project Evolve unit

() – Suggested software/hardware to use

| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|---|---|---|---|---|--|
| EYFS | The teaching of computing is not statutory in EYFS. However, St Mary's is mindful that the children are growing up in a technology advanced world and therefore would like pupils to use technology to support and enhance their learning as early as possible. To support this mindset, St Mary's will use Barefootcomputing.org linked to Early Learning Goals. Education for a Connected World also covers EYFS. | | | | | |
| Year 1 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | CS: Technology around us (paintz.app) | DL: Digital painting (Microsoft paint) | CS: <i>Moving a robot (Bee-Bot or similar)</i> | DL: Digital writing (Word) | CS: Programming animations (ScratchJr) |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information</p> <p>PE: Online bullying</p> | <p>PE: Privacy and security</p> <p>PE: Online relationships</p> | <p>PE: Self-image and identity</p> <p>PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |

St Mary's CE Primary School Computing Curriculum 2023/24

| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|---|---|---|---|---|
| Year 2 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | <p>CS: Information technology around us (PowerPoint)</p> | <p>DL: Grouping data (PowerPoint)</p> <p><i>Year 1 Teach Computing Unit</i></p> | <p>CS: Programming quizzes (ScratchJr)</p> | <p>DL: Digital photography (Digital Camera)</p> <p><i>Originally a Year 2 Autumn unit</i></p> | <p><i>CS: Robot algorithms (Bee-Bot or similar)</i></p> |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information</p> <p>PE: Online bullying</p> | <p>PE: Privacy and security</p> <p>PE: Online relationships</p> | <p>PE: Self-image and identity</p> <p>PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |

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| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|--|--|--|--|---|
| Year 3 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | <p>CS: Connecting computers (Painting program – any)</p> | <p>DL: Digital music (Chrome Music Lab) <i>Year 2 Teach Computing unit</i></p> | <p>CS: Sequencing sounds (Scratch)</p> | <p>DL: Branching databases (j2data Branch and Pictogram)</p> | <p>CS: Events and actions in programs (Scratch)</p> |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information PE: Online bullying</p> | <p>PE: Privacy and security PE: Online relationships</p> | <p>PE: Self-image and identity PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |

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| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|---|---|---|---|--|
| Year 4 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | <p>CS: The internet (Various websites)</p> | <p>DL: Audio production (Audacity)</p> <p><i>Depending on pupils' confidence, this unit could be swapped for</i> DL: Digital music (Chrome Music Lab) Year 2 Teach Computing unit</p> | <p>CS: Repetition in shapes (FMSLogo)</p> | <p>DL: Data logging (Data logger)</p> | <p>CS: Repetition in games (Scratch)</p> |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information</p> <p>PE: Online bullying</p> | <p>PE: Privacy and security</p> <p>PE: Online relationships</p> | <p>PE: Self-image and identity</p> <p>PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |

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| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|--|--|---|--|---|
| Year 5 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | <p>CS: Systems and searching (PowerPoint)</p> | <p>DL: Flat-file databases (j2data Database)</p> | <p>CS: Repetition in games (Scratch) <i>Year 4 Teach Computing Unit</i></p> | <p>DL: Video production (Microsoft Photos)</p> | <p>CS: Selection in quizzes (Scratch)</p> |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information PE: Online bullying</p> | <p>PE: Privacy and security PE: Online relationships</p> | <p>PE: Self-image and identity PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |

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| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|--|--|--|---|---|
| Year 6 | <p><i>Project evolve introduction and Digital Literacy Foundations.</i></p> <p>DL: Children introduced to the laptops that they will be using over the year. Children need to be able to remember their laptop number and log on using their own login details. Children need to be able to name and save documents in their own folder.</p> | <p>CS: Communication and collaboration (PowerPoint)</p> | <p>DL: Webpage creation (Google Sites) <i>Children can use SharePoint or design an offline version using PowerPoint.</i></p> | <p>CS: Variables in games (Scratch)</p> | <p>DL: Introduction to spreadsheets (Excel)</p> | <p>CS: Sensing movement (micro.bit)</p> |
| | <p>PE: Children introduced to what the 8 strands are and how different ones will be looked at each term. Children reminded to think SMART Children produce a knowledge harvest of what they already know about online safety</p> | <p>PE: Managing online information PE: Online bullying</p> | <p>PE: Privacy and security PE: Online relationships</p> | <p>PE: Self-image and identity PE: Online reputation</p> | <p>PE: Health, well-being and lifestyle</p> | <p>PE: Copyright and ownership</p> |