

# St Bede's Catholic Primary School

## Computing Curriculum



### Progression of Skills

Year A	Autumn	Spring	Summer
<b>EYFS</b>	<ul style="list-style-type: none"> <li>Explore options in 2simple paint, making choices to achieve an outcome.</li> <li>Explore the Bee Bot diggers and see how they move.</li> <li>Use 2simple programs to create a printable documents/picture.</li> <li>Use camera/camcorders to record images/videos.</li> <li>Use computers to listen to and talk about sounds</li> <li>Explore common uses of technology in the classroom.</li> </ul> <p><b>The period in which children access these opportunities may vary depending on the children's interests.</b></p>		
<b>KS1</b>	<p><b>Digital Literacy:</b> Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p> <p><b>E safety - Year 1</b></p> <ul style="list-style-type: none"> <li>Know how to enter a password to access a secure network</li> <li>Know to keep my password private.</li> <li>Know and follow the St. Bede's online safety rules for KS1</li> <li>Know who to tell if they see something unexpected or worrying online.</li> </ul> <p><b>E safety - Year 2</b></p> <ul style="list-style-type: none"> <li>Know and follow the St. Bede's online safety rules for KS1</li> <li>Know why it is important to keep my password and personal information private.</li> <li>Know the things that might happen online which I must tell a trusted adult about.</li> </ul>	<p><b>Information Technology</b> Use technology purposefully to create, organise, store, manipulate and retrieve digital content. This will be achieved by using basic word processing packages to write and illustrate a story, creating presentations and creating simple digital paintings.</p> <ul style="list-style-type: none"> <li><b>Word processing to write and illustrate a story</b></li> <li><b>Create presentations with support</b></li> <li><b>Create simple digital painting</b></li> </ul> <p><b>Digital Literacy</b> Recognise common uses of information technology beyond school.</p> <ul style="list-style-type: none"> <li><b>Exploring websites and search engines (link to U.K Humanities Topic).</b></li> </ul>	<p><b>Computer Science</b> Create and debug simple programs.</p> <ul style="list-style-type: none"> <li><b>Program a Bee-Bot</b></li> <li><b>Use Kodable.</b></li> </ul> <p>Use logical reasoning to predict the behaviour of simple programs.</p> <ul style="list-style-type: none"> <li><b>Evaluate their instructions on a Bee-bot</b></li> </ul>
<b>LKS2</b>	<p><b>Digital Literacy</b> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p><b>E-safety – Year 3</b></p>	<p><b>Information Technology</b> Select, use and combine a variety of software (including information services):</p> <ul style="list-style-type: none"> <li><b>Share pictures</b></li> <li><b>Create fact files (different countries in Europe)</b></li> </ul> <p>Use search technologies effectively:</p>	<p><b>Computer Science</b> Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</p> <ul style="list-style-type: none"> <li><b>Switched on Computing (Yr3) – We are programmers unit.</b></li> </ul>

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- Know and follow the St. Bede's online safety rules for KS2
- Know what makes a secure password and why it is important.
- Know how to respond if asked for personal information online.
- Know where to find the safety features of websites, as well as reporting concerns to a trusted adult.

### E safety – Year 4

- Know how to use the safety features of websites, as well as reporting concerns to a trusted adult.
- Know how to choose a secure password and why it is important.

### Information Technology

Select, use and combine a variety of software (including information services):

- **Produce a leaflet**
- **Insert images onto the leaflet**
- **Create a poster in Microsoft Publisher (Aztecs)**
- **Digital mapping**

Use search technologies effectively:

- **Internet Research (Aztecs)**

- **Internet Research (Aztecs)**

**UKS2**

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

### E-safety

#### Year 5:

- Know why it is important to use the safety features of websites and other online platforms e.g. controls on social

### Information Technology

Select, use and combine a variety of software (including internet services):

- **Graphics.**

### Information Technology

Select, use and combine a variety of software (including internet services):

- **Create an e-book, brochure or poster (digital publishing).**
- **Write a presentation.**

### Computer Science

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts:

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	<p>media, as well as reporting concerns to a trusted adult.</p> <p>Year 6:</p> <ul style="list-style-type: none"> <li>• Explain the potential risks of using online communication tools and understand how to minimise these e.g. altering security settings on social media.</li> <li>• Know when and how to report something malicious or inappropriate that they experience online, including reporting concerns to a trusted adult.</li> <li>• Understand that some malicious adults may use various techniques to make contact and elicit personal information.</li> </ul> <p><b>Information Technology</b> Select, use and combine a variety of software (including internet services).</p>		
<u>Year B</u>	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
EYFS	<p>Explore options in 2simple paint, making choices to achieve an outcome.</p> <p>Explore the BeeBot diggers and see how they move.</p> <p>Use 2simple programs to create a printable documents/picture.</p> <p>Use camera/camcorders to record images/videos.</p> <p>Use computers to listen to and talk about sounds</p> <p>Explore common uses of technology in the classroom.</p> <p><b>The period in which children access these opportunities may vary depending on the children's interests.</b></p>		
KS1	<p><b>Digital Literacy</b> Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	<p><b>Information Technology</b> Use technology purposefully to create, organise, store, manipulate and retrieve digital content. This will be achieved by using basic word processing packages to write and illustrate a story, creating</p>	<p><b>Computer Science</b> Create and debug simple programs.</p> <ul style="list-style-type: none"> <li>• <b>Program a Bee-Bot</b></li> <li>• <b>Use Kodable with support</b></li> </ul> <p>Use logical reasoning to predict the behaviour of simple programs.</p>

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	<ul style="list-style-type: none"> <li><b>E-safety</b></li> </ul>	<p>presentations and creating simple digital paintings.</p> <ul style="list-style-type: none"> <li><b>Word processing to write and illustrate a story</b></li> <li><b>Create presentations with support</b></li> <li><b>Create simple digital painting</b></li> </ul> <p><u><b>Digital Literacy</b></u> Recognise common uses of information technology beyond school.</p> <ul style="list-style-type: none"> <li><b>Exploring websites and search engines (link to Lifesavers topic).</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Evaluate their instructions on a Bee-bot</b></li> </ul>
<b>LKS2</b>	<p><u><b>Digital Literacy</b></u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <ul style="list-style-type: none"> <li><b>E-safety</b></li> </ul> <p><u><b>Information Technology</b></u> Select, use and combine a variety of software (including information services):</p> <ul style="list-style-type: none"> <li><b>Create a poster in Microsoft Publisher (Stone Age)</b></li> <li><b>Digital mapping</b></li> </ul> <p>Use search technologies effectively: <b>Internet Research (Stone Age)</b></p>	<p><u><b>Information Technology</b></u> Select, use and combine a variety of software (including information services):</p> <ul style="list-style-type: none"> <li><b>Share pictures</b></li> <li><b>Create fact files (different countries in Europe)</b></li> </ul> <p>Use search technologies effectively: <b>Internet Research (Aztecs)</b></p>	<p><u><b>Computer Science</b></u> Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</p> <ul style="list-style-type: none"> <li><b>Switched on Computing (Yr3) – We are programmers unit.</b></li> </ul>
<b>UKS2</b>	<p><u><b>Digital Literacy</b></u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <ul style="list-style-type: none"> <li><b>E-safety</b></li> </ul>	<p><u><b>Information Technology</b></u> Select, use and combine a variety of software (including internet services):</p> <ul style="list-style-type: none"> <li><b>Search, sort and Graph Information.</b></li> </ul>	<p><u><b>Information Technology</b></u> Select, use and combine a variety of software (including internet services):</p> <ul style="list-style-type: none"> <li><b>Create an e-book, brochure or poster (digital publishing).</b></li> <li><b>Write a presentation.</b></li> </ul> <p><u><b>Computer Science</b></u> Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</p>