



## Long Term Plan for Computing 2023-24

### Havannah First School Computing Topic Coverage

Our curriculum is coverage is designed to address the three main strands of the Computing curriculum.

Digital Literacy – The skills, knowledge and understanding in order to participate fully and safely in our digital world.

Computer science - How computers and their systems work, are designed and programmed.

Information Technology – Using computers or physical devices for functional purposes, such as collecting and presenting information, or using search technology.

Although discretely taught in the Autumn term, **Digital Literacy** should be interwoven within **every** Computing lesson.

E-safety to also be taught within PSHE lessons, **golden rules** and through a whole-school focus when it is Safer Internet Day.

<b>R</b>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p> <p><b>Computer Science</b></p>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p> <p><b>Information Technology</b></p>	<p>Continuous provision linked to technology, accessible throughout the year:</p> <p>Remote control cars &amp; Beebots: programming using positional language.</p> <p>iPads: Exploring/Tinkering with an app set up by class teacher.</p> <p>Smartboard: ICT games</p> <p><b>Information Technology</b></p>
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		<p>Smartboard: ICT games</p> <p><b>Digital Literacy</b></p> <p>SWGfL Project Evolve</p> <p>Self-image and identity</p> <p>Online Relationships</p> <p>Health, well-being and lifestyle</p> <p>Privacy and security</p>	<p><b>Digital Literacy</b></p> <p>SWGfL Project Evolve</p> <p>Online Bullying</p> <p>Online reputation</p> <p>Managing online information</p> <p>Copyright and Ownership</p>	<p><b>Using the Beebots and Micebots</b></p>	<p><b>Using the camera app and photo album app</b></p> <p>Scanning QR codes</p> <p>Sign in/out of Seesaw Book Creator-Insert pen drawing, use different pen colours, add pages</p> <p>Green Screen opportunities</p>	<p><b>Using the camera app and photo album app</b></p> <p>Scanning QR codes</p> <p>Sign in/out of Seesaw Book Creator-Insert pen drawing, use different pen colours, add pages</p> <p>Green Screen opportunities</p>
<b>Y1</b>	<p><b>Digital Literacy</b></p> <p><b>SWGfL Project Evolve</b></p> <p>Self-image and identity</p> <p>Online Relationships</p> <p>Health, well-being and lifestyle</p> <p>Privacy and security</p>	<p><b>Digital Literacy</b></p> <p><b>SWGfL Project Evolve</b></p> <p>Online Bullying</p> <p>Online reputation</p> <p>Managing online information</p> <p>Copyright and Ownership</p>	<p><b>Computer Science</b></p> <p><b>Barefoot</b></p> <p>-Sharing sweets</p> <p>-Creating Patterns</p> <p><b>Code.Org</b></p> <p>Course A</p>	<p><b>Computer Science</b></p> <p><b>Bee-Bots</b></p> <p>1 or 2 Tinkering lessons</p> <p>4/5 Challenges</p> <p><b>Progression:</b></p> <p>Using arrows and icons, Printable unplugged, using floor robots</p> <p><b>OR</b></p> <p><b>Micro:Bits</b></p>	<p><b>Information Technology</b></p> <p><b>Seesaw</b></p> <p>Signing in &amp; out</p> <p>Uploading Documents</p> <p>Recording voice comments</p> <p><b>Pic Collage</b></p> <p>Insert photographs</p> <p>Insert text</p> <p>Change text size and colour</p>	<p><b>Information Technology</b></p> <p><b>Seesaw</b></p> <p>Signing in &amp; out</p> <p>Uploading Documents</p> <p>Recording voice comments</p> <p><b>Pic Collage</b></p> <p>Insert photographs</p> <p>Insert text</p> <p>Change text size and colour</p>

					<b>Book Creator</b> Insert photo from iPad Insert camera photo Resize photo  <b>Green Screen opportunities</b>	<b>Book Creator</b> Insert photo from iPad Insert camera photo Resize photo  <b>Green Screen opportunities</b>
<b>Y2</b>	<b>Digital Literacy</b> <b>SWGfL Project Evolve</b> Self-image and identity Online Relationships Health, well-being and lifestyle Privacy and security	<b>Digital Literacy</b> <b>SWGfL Project Evolve</b> Online Bullying Online reputation Managing online information Copyright and Ownership	<b>Computer Science</b> <b>Barefoot</b> -Crazy character algorithms -Spelling rules activity  <b>Code.org</b> Course B	<b>Computer Science</b> <b>Micro:bits</b> -Heart -Beating Heart  <b>Scratch Jnr</b> Unplugged, physical, directional language Printable 'unplugged' versions of code blocks Using Scratch Jnr app to design quizzes or animations	<b>Information Technology</b>  <b>Book Creator</b> Insert text box Format text colour Format text size Format text colour Format text alignment  <b>I can animate</b>	<b>Information Technology</b>  <b>Book Creator</b> Insert text box Format text colour Format text size Format text colour Format text alignment  <b>I can animate</b>
<b>Y3</b>	<b>Digital Literacy</b> <b>SWGfL Project Evolve</b> Self-image and identity	<b>Computer Science</b> <b>Barefoot</b> -Pizza Pickle	<b>Digital Literacy</b> <b>SWGfL Project Evolve</b> Online Bullying	<b>Information Technology</b>	<b>Information Technology</b>	<b>Computer Science</b> <b>Micro:bits</b> Get silly

	<p>Online Relationships</p> <p>Health, well-being and lifestyle</p> <p>Privacy and security</p>	<p>-Tut, clap or jive</p> <p><b>Code.org</b></p> <p>Course C</p>	<p>Online reputation</p> <p>Managing online information</p> <p>Copyright and Ownership</p>	<p><b>Book Creator</b></p> <p>Change text box colour</p> <p>Change page colour</p> <p>Export to ibooks</p> <p><b>Comic Life</b></p> <p>Add, resize, organise characters/objects to different panels</p>	<p><b>Word/ PowerPoint:</b></p> <p>Slide design, add pictures- discuss data protection.</p> <p><b>Stop motion</b></p> <p>Using plastercine</p>	<p>Flashing emotions</p> <p>Sunlight sensor</p> <p>Name badge</p> <p><b>Scratch</b></p> <p>Unplugged, using storyboards or comics</p> <p>Printable 'unplugged' version of code blocks</p> <p>Using Scratch to design quizzes and animations</p>
<p><b>Y4</b></p>	<p><b>Digital Literacy</b></p> <p><b>SWGfL Project Evolve</b></p> <p>Self-image and identity</p> <p>Online Relationships</p> <p>Health, well-being and lifestyle</p> <p>Privacy and security</p>	<p><b>Computer Science</b></p> <p><b>Barefoot</b></p> <p><b>World Map Logic</b></p> <p><b>Bug in the water cycle</b></p> <p><b>Code.org</b></p> <p>Course D</p>	<p><b>Digital Literacy</b></p> <p><b>SWGfL Project Evolve</b></p> <p>Online Bullying</p> <p>Online reputation</p> <p>Managing online information</p> <p>Copyright and Ownership</p>	<p><b>Information Technology</b></p> <p><b>Word/PowerPoint:</b></p> <p>Develop content by developing the theme of slides including background colour and animation.</p> <p><b>Book creator</b></p> <p>Insert shapes</p> <p>Format shape colour</p>	<p><b>Information Technology</b></p> <p><b>Word/PowerPoint:</b></p> <p>Develop content by developing the theme of slides including background colour and animation.</p> <p><b>Book creator</b></p> <p>Insert shapes</p> <p>Format shape colour</p>	<p><b>Computer Science</b></p> <p><b>Microb:bits</b></p> <p>Rock, paper, scissors</p> <p>Graphical Dice</p> <p>Thermometer</p> <p><b>Scratch</b></p> <p>Unplugged, games in PE that involve the same sequence or drawing shapes in real life</p>

				<p>Format shape border colour</p> <p>Format text: bold, italics, underline</p> <p>Format text: shadow</p> <p><b>Stop motion</b></p> <p>Using plastercine - competitions</p>	<p>Format shape border colour</p> <p>Format text: bold, italics, underline</p> <p>Format text: shadow</p> <p><b>Stop motion</b></p> <p>Using plastercine - competitions</p>	<p>Printable 'unplugged' version of code blocs</p> <p>Using scratch to play music or repeating animations</p>
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## Visits, Visitors, Enrichment

<p><b>R</b></p>	<p><b>Magnificent Me!</b> Starting school / my new class <b>All about me</b> Birthdays Halloween PSED focus - relationships/feelings</p>	<p><b>Let's Celebrate</b> Celebrations/Space Bonfire Night Diwali Space Christmas Day/Night – People who help us</p>	<p><b>Our Amazing World</b> Winter Antarctica Chinese New Year Superheroes</p>	<p><b>Amazing Animals</b> Animals Easter</p>	<p><b>Marvellous Minibeasts</b>  Growth Minibeasts  Fairies/knights/fantasy  <b>GEM Education – Working on book creator with Julian Hughes topic link Minibeasts</b></p>	<p>Traditional Tales <b>Seaside</b> Pirates</p>
<p><b>Y1</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Computer Science</b></p>	<p><b>Computer Science</b></p>	<p><b>Information Technology</b></p>	<p><b>Information Technology</b></p>
<p><b>Y2</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Computer Science</b></p>	<p><b>Computer Science</b>  GEM Education – Working Micro:bits- Topic Link Queen Victoria</p>	<p><b>Information Technology</b></p>	<p><b>Information Technology</b></p>
<p><b>Y3</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Digital Literacy</b></p>	<p><b>Computer Science</b></p>	<p><b>Computer Science</b></p>	<p><b>Information Technology</b></p>	<p><b>Information Technology</b>  GEM Education- Microbits – DT Car project</p>

<b>Y4</b>	<b>Digital Literacy</b>	<b>Computer Science</b>	<b>Digital Literacy</b>	<b>Information Technology</b>	<b>Information Technology</b>	<b>Computer Science</b> GEM Education- Microbits – DT Torches project
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