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<p>Computer Science</p>	<p>Programming</p> <p>(Algorithms, Sequencing and testing code)</p> <p>Resources:</p> <p>Beebot / Indi / Bolt/ Dash/ Code-a-pillar/ Programming apps</p>	<p>Rapid Router</p> <p>(Levels 51-67)</p>  <p>Sphero Indi</p> <p>Challenge Cards (13+)</p> <p>Create a course to navigate a particular route.</p> <p>Debugging</p> 	<p>Scratch</p> <p>(Pong Starter)</p>  <p>Use of apps to support programming: ALEX/ Light bot</p>	<p>Sphero Bolt</p> <p>(Blocks 3 and 4)</p>  <p>Networks</p> 	<p>Hour of Code</p>  <p>Light Bot</p> <p>Sequencing instructions – loops and Procedures</p> <p>The Internet</p> 	<p>Logo (Advanced)</p> <p>(To draw a house using geometric patterns)</p>  <p>What's next for the World Wide Web?</p> 	<p>Scratch</p> <p>(Pizza Chef)</p>  <p>Search technologies</p> 



Year	Overview	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Digital Literacy</p>	<p>Digital Literacy & Citizenship</p> <p>(Research) SWGFL scheme of work (Online Communication and E-Safety, DLG, Blogging, Email)</p>	<p>PROJECT EVOLVE</p> <p>Finding My Media Balance</p> <p> common sense media</p> <p>Your Online Safety</p> <p></p>	<p>PROJECT EVOLVE</p> <p>You Won't Believe This</p> <p> common sense media</p>	<p>PROJECT EVOLVE</p> <p>Beyond Gender Stereotypes</p> <p> common sense media</p> <p>Your Online Data</p> <p></p>	<p>PROJECT EVOLVE</p> <p>Digital Friendships</p> <p> common sense media</p>	<p>PROJECT EVOLVE</p> <p>Is It Cyberbullying?</p> <p> common sense media</p> <p>What does being respectful and responsible online look like?</p> <p></p>	<p>PROJECT EVOLVE</p> <p>Reading News Online</p> <p> common sense media</p>



Year	Overview		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Information Technology	Communication Publishing and collaborating (Multimedia Word Processing) Digital video (Video & Animation) Music / Sound Digital Imagery (Graphics & digital cameras) Handling Information (Database)		Presentations Create a presentation about the Iron Age.	Augmented Reality Create an artefact from the Shang Dynasty.	Word Processing Create an ebook Sikhism.	Digital Video Create a trailer for the Battle of Hastings 1066.	Data Handling Link to statistics unit in maths- collecting data, completing surveys and presenting in a variety of charts.	Sound Create a podcast reflecting on their time at Thornhill/ transition to secondary school.
		         	Data Handling (Numbers/ Excel)	Presentations (Keynote, PowerPoint, Pic Collage)	Digital Video (iMovie)	Sound (GarageBand)	Augmented Reality (Clips, Reality Composer)	
		Can use a table in a document and format it appropriately. Produce and ebook. Can create a template from own design. Can use a template and adapt it to own design.	Use basic formulae. Create simple forms to organise data. Export 'assets' to be used in other apps- such as tables/ graphs.	Can create a template from own design. Can use assets from other apps within a presentation. Can create a short movie to present an idea using slides and VoiceOver.	Can alter transitions. User trailer effectively (such as a plot overview). Can use assets made in other apps in a short film- such as a title page from pages.	Export music to use in another app from Garageband. Create a short 'podcast' with a range of sections (voice/ music/recordings). Can 'jam' with other players.	Export movie to be used in other apps.	Create a new project and rename. Add new objects from gallery and manipulate to position and size effectively. Format objects to add colour. Add actions to objects. Add and format labels. Export effectively.

