

	Term	Topic	Learning Outcomes	Assessment
Year 7	Term 1	Collaborating online respectfully	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Welcome to the computing lab ✓ 2. Welcome to your workstation ✓ 3. Respectful online communications ✓ 4. Presenting to an audience part 1 ✓ 5. Presenting to an audience part 2 ✓ 6. Who are you talking to? <ul style="list-style-type: none"> ✓ Revision activities 	Collaborating online respectfully – Summary assessment
		Modelling data	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Getting to know a spreadsheet ✓ 2. Quick calculations ✓ 3. Collecting data ✓ 4. Become a data master ✓ 5. Level up your data skills <ul style="list-style-type: none"> ✓ Revision activities 	Modelling data – Summary assessment

	Term	Topic	Learning Outcomes	Assessment
Year 7		Networks – from Semaphore to the Internet	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Computer networks and protocols ✓ 2. Networking hardware ✓ 3. Wired and wireless networks ✓ 4. The Internet ✓ 5. Internet services ✓ 6. The World Wide Web ✓ Revision activities 	Networks – from Semaphore to the Internet – Summary assessment
	Term 2	Programming in Scratch – part 1	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Programming and sequencing ✓ 2. Sequence and variables ✓ 3. Selection ✓ 4. Operators ✓ 5. Count controlled iteration ✓ 6. Problem solving ✓ Revision activities 	Programming in Scratch – part 1 – Summary assessment

	Term	Topic	Learning Outcomes	Assessment
Year 7		Programming in Scratch – part 2	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. You've got the moves ✓ 2. Fly cat fly! ✓ 3. Loop the loop ✓ 4. Treasure those lists ✓ 5. Translate this, part 1 ✓ 6. Translate this, part 2 ✓ Revision activities 	Programming in Scratch – part 2 – Summary assessment
	Term 3	Using media – gaining support for a cause	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Features of a word processor ✓ 2. Licencing appropriate images ✓ 3. The credibility of sources ✓ 4. Plan and research your blog ✓ 5. Promoting the cause ✓ 6. Project completion and assessment ✓ Revision activities ✓ Year 7 exam revision activities 	Using media – gaining support for a cause – Summary assessment End of Year 7 Exam

End of year assessment
This will include all Year 7 topics
Misconceptions will be addressed as part of the end of year assessment review process

	Term	Topic	Learning Outcomes	Assessment
Year 8	Term 1	Computing systems	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Get in gear ✓ 2. Under the hood ✓ 3. Orchestra conductor ✓ 4. It's only logical ✓ 5. Thinking machines ✓ 6. Sharing ✓ Revision activities 	Computing systems – Summary assessment
		Developing for the web	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Website building blocks ✓ 2. Words are not enough ✓ 3. Taking shortcuts ✓ 4. Searching the web ✓ 5. Tightening the web ✓ 6. Navigating the web ✓ Revision activities 	Developing for the web – Summary assessment

	Term	Topic	Learning Outcomes	Assessment
Year 8		Introduction to Python programming	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. First steps ✓ 2. Crunching numbers ✓ 3. At a crossroads ✓ 4. More branches ✓ 5. Round and round ✓ 6. Putting it all together ✓ Revision activities 	Introduction to Python programming – Summary assessment
	Term 2	Media – vector graphic	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Get into shapes ✓ 2. Paths United ✓ 3. Icon challenges ✓ 4. What will you make? ✓ 5. Under the hood ✓ 6. Showcase ✓ Revision activities 	Media – vector graphic – Summary assessment

	Term	Topic	Learning Outcomes	Assessment
Year 8		Mobile app development	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. App for that ✓ 2. Tappy tap app ✓ 3. School lab studios ✓ 4. User input ✓ 5. App development ✓ 6. Project completion <p>✓ Revision activities</p>	Mobile app development – Summary assessment
	Term 3	Representations – from clay to silicon	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Across time and space ✓ 2. Lights and drums ✓ 3. Binary digits ✓ 4. Numbers in binary ✓ 5. Large digits ✓ 6. Turing’s mug <p>✓ Revision activities</p> <p>✓ Year 8 exam revision activities</p>	<p>Representations – from clay to silicon – Summary assessment</p> <p>End of Year 8 Exam</p>

End of year assessment

This will include all Year 8 topics

Misconceptions will be addressed as part of the end of year assessment review process

	Term	Topic	Learning Outcomes	Assessment
Year 9	Term 1	Cybersecurity	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Your and your data ✓ 2. Social engineering ✓ 3. Script kiddies ✓ 4. Rise of the bots ✓ 5. There's no place like 127.0.0.1 ✓ 6. Under attack <ul style="list-style-type: none"> ✓ Revision activities 	Cybersecurity – Summary assessment
		Data science	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Delving into data science ✓ 2. Global data ✓ 3. Statistical state of mind ✓ 4. Data for action ✓ 5. Clean it up ✓ 6. Make a change <ul style="list-style-type: none"> ✓ Revision activities 	Data science – Summary assessment

	Term	Topic	Learning Outcomes	Assessment
Year 9	Term 2	Media animations	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Move, rotate, scale colour ✓ 2. Animation, naming, parenting ✓ 3. Complex models and colours ✓ 4. Organic modelling ✓ 5. Light, camera, render ✓ 6. Project <ul style="list-style-type: none"> ✓ Revision activities 	Media animations – Summary assessment
		Physical computing	<p>To know about:</p> <ul style="list-style-type: none"> ✓ 1. Hello physical world ✓ 2. Bare bones ✓ 3. Connections ✓ 4. Dream it up ✓ 5. Build it up ✓ 6. Wrap it up <ul style="list-style-type: none"> ✓ Revision activities 	Physical computing – Summary assessment

