

# Computing Long Term Plan



**Curricular Goal**

To give every child a broad and balanced Computing curriculum which enables them to understand how to use the ever-changing technology to express themselves, as tools for learning and as a means to drive their generation forward into the future. We want children to develop as respectful, responsible and confident users of technology, aware of measures that can be taken to keep themselves and others safe online.

- IT - Information Technology
- CS - Computer Science
- DL - Digital Literacy



The computing curriculum will be taught through [Purple Mash](#). The lessons cover the entire computing curriculum.

There are additional lessons on top of the computing curriculum by Purple Mash's 2BeSafe. 2BeSafe is an online safety scheme of work, to meet the guidance set out within the Department for Education's - [Education for a Connected World](#). The Education for a Connected World framework outlines eight key areas which seek to equip children and young people for digital life and the digital world. 2Simple's 2BeSafe offers a comprehensive coverage of these requirements for primary schools starting from Reception up to Year 6.

Self-Image and Identity	Online Relationships	Online Reputation	Online Bullying	Managing Information Online	Health, Well-being and Lifestyle	Privacy and Security	Copyright and Ownership

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Autumn Term 1						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
All of the Purple Mash/Mini Mash activities to be accessed at points throughout the year starting in the Spring term.	Introduction to Purple Mash (3 lessons)	Route Explorers (4 lessons)	Email (6 lessons)	Unpacking Hardware & Software (4 lessons)	Quizzing (5 lessons)	Networks (4 lessons)
	Creative Computing (4 lessons)	The Internet (4 lessons)	Route Planners (2/5 lessons)	Animation (4/6 lessons)	Databases (3/4 lessons)	Graphing (4 lessons)
<b>2BeSafe</b> Self-image and identity & Online reputation						
<a href="#">Self-image and identity</a> - 1 lesson	<a href="#">Self-image and identity</a> - 2 lessons	<a href="#">Self-image and identity</a> - 2 lessons	<a href="#">Self-image and identity</a> - 3 lessons	<a href="#">Self-image and identity</a> - 3 lessons	<a href="#">Self-image and identity</a> - 2 lessons	<a href="#">Self-image and identity</a> - 3 lessons
<a href="#">Online Reputation</a> - 1 lesson	<a href="#">Online Reputation</a> - 2 lessons	<a href="#">Online Reputation</a> - 3 lessons	<a href="#">Online Reputation</a> - 3 lessons	<a href="#">Online Reputation</a> - 2 lessons	<a href="#">Online Reputation</a> - 2 lessons	<a href="#">Online Reputation</a> - 2 lessons

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Autumn Term 2						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Data Explorers (6 lessons)	Creating Pictures (5 lessons)  Spreadsheets (2/6 lessons)	Route Planners <i>continued</i> (2/5 lessons)  Branching Databases (4 lessons)	Animation <i>continued</i> (2/6 lessons)  Logo (4 lessons)	Databases <i>continued</i> (1/4 lessons)  Game Creator (5 lessons)	Blogging (4 lessons)  Data Detectives (3/4 lessons)
<p><b>2BeSafe</b> Online relationships</p>						
<a href="#">Online relationships</a> - 2 lessons	<a href="#">Online relationships</a> - 4 lessons	<a href="#">Online relationships</a> - 7 lessons	<a href="#">Online relationships</a> - 6 lessons	<a href="#">Online relationships</a> - 3 lessons	<a href="#">Online relationships</a> - 5 lessons	<a href="#">Online relationships</a> - 4 lessons

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Spring Term 1						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	<p><b>Creating &amp; Following Instructions</b> (3 lessons)</p> <p><b>Animated Stories</b> (3/6 lessons)</p>	<p><b>Spreadsheets</b> <i>continued</i> (4/6 lessons)</p> <p><b>Questioning</b> (2/4 lessons)</p>	<p><b>Spreadsheets</b> (6 lessons)</p>	<p><b>Sound Stories</b> (4 lessons)</p> <p><b>Effective Searching</b> (2/4 lessons)</p>	<p><b>Spreadsheets</b> (6 lessons)</p>	<p><b>Data Detectives</b> <i>continued</i> (1/4 lessons)</p> <p><b>Coding</b> (5/6 lessons)</p>
<p><b>2BeSafe</b> Online bullying</p>						
<a href="#">Online bullying</a> - 2 lessons	<a href="#">Online bullying</a> - 1 lesson	<a href="#">Online bullying</a> - 3 lessons	<a href="#">Online bullying</a> - 2 lessons	<a href="#">Online bullying</a> - 3 lessons	<a href="#">Online bullying</a> - 6 lessons	<a href="#">Online bullying</a> - 2 lessons

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Spring Term 2						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	<b>Animated Stories</b> <i>continued</i> (3/6 lessons)  <b>Coding</b> (2/6 lessons)	<b>Questioning</b> <i>continued</i> (2/4 lessons)  <b>Coding</b> (3/6 lessons)	<b>Coding</b> (5/6 lessons)	<b>Effective Searching</b> <i>continued</i> (2/4 lessons)  <b>Coding</b> (3/6 lessons)	<b>Coding</b> (5/6 lessons)	<b>Coding</b> <i>continued</i> (1/6 lessons)  Introduction to Python (4 lessons)
<b>2BeSafe</b> Health, wellbeing and lifestyle & Copyright and ownership						
<a href="#">Health, wellbeing and lifestyle</a> - 1 lesson  <a href="#">Copyright and ownership</a> - 2 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 1 lesson  <a href="#">Copyright and ownership</a> - 4 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 1 lesson  <a href="#">Copyright and ownership</a> - 2 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 2 lessons  <a href="#">Copyright and ownership</a> - 1 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 2 lessons  <a href="#">Copyright and ownership</a> - 2 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 4 lessons  <a href="#">Copyright and ownership</a> - 2 lessons	<a href="#">Health, wellbeing and lifestyle</a> - 4 lessons  <a href="#">Copyright and ownership</a> - 2 lessons

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Summer Term 1						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	<b>Coding</b> (4/6 lessons)  <b>Technology Around Us</b> (2/4 lessons)	<b>Coding continued</b> (3/6 lessons)  <b>Presenting Ideas</b> (3/4 lessons)	<b>Coding continued</b> (1/6 lessons)  <b>Presentations</b> (5 lessons)	<b>Coding continued</b> (3/6 lessons)  <b>Composing Beats</b> (3/4 lessons)	<b>Coding continued</b> (1/6 lessons)  <b>Word Processing</b> (5/6 lessons)	<b>Spreadsheets</b> (6 lessons)
<b>2BeSafe</b> Privacy and security						
<a href="#">Privacy and security</a> - 2 lessons	<a href="#">Privacy and security</a> - 3 lessons	<a href="#">Privacy and security</a> - 4 lessons	<a href="#">Privacy and security</a> - 3 lessons	<a href="#">Privacy and security</a> - 4 lessons	<a href="#">Privacy and security</a> - 3 lessons	<a href="#">Privacy and security</a> - 6 lessons

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Summer Term 2						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	<b>Technology Around Us</b> (2/4 lessons)  <b>Making Beats</b> (4 lessons)	<b>Presenting Ideas</b> <i>continued</i> (1/4 lessons)  <b>Making Music</b> (3 lessons)	<b>Touch Typing</b> (4 lessons)  Additional - <b>micro:bit</b> (4 lessons)	<b>Composing Beats</b> <i>continued</i> (1/4 lessons)  <b>Introduction to AI</b> (4 lessons)  Additional - <b>micro:bit</b> (4 lessons)	<b>Word Processing</b> <i>continued</i> (1/6 lessons)  <b>Concept Maps</b> (4 lessons)  Additional - <b>micro:bit - taught in DT lessons</b> (4 lessons)	<b>3D Modelling</b> (4 lessons)  Additional - <b>Binary</b> (4 lessons) <b>micro:bit</b> (4 lessons)
<b>2BeSafe</b> Managing online information						
<a href="#">Managing online information</a> - 2 lessons	<a href="#">Managing online information</a> - 3 lessons	<a href="#">Managing online information</a> - 5 lessons	<a href="#">Managing online information</a> - 6 lessons	<a href="#">Managing online information</a> - 6 lessons	<a href="#">Managing online information</a> - 9 lessons	<a href="#">Managing online information</a> - 11 lessons



## Self-image and identity

This strand explores the differences between online and offline identity beginning with self-awareness, shaping online identities and media influence in propagating stereotypes. It identifies effective routes for reporting and support and explores the impact of online technologies on self-image and behaviour.



## Online relationships

This strand explores how technology shapes communication styles and identifies strategies for positive relationships in online communities. It offers opportunities to discuss relationships, respecting, giving and denying consent and behaviours that may lead to harm and how positive online interaction can empower and amplify voice.



## Online reputation

This strand explores the concept of reputation and how others may use online information to make judgements. It offers opportunities to develop strategies to manage personal digital content effectively and capitalise on technology's capacity to create effective positive profiles.



## Online bullying

This strand explores bullying and other online aggression and how technology impacts those issues. It offers strategies for effective reporting and intervention and considers how bullying and other aggressive behaviour relates to legislation.



## Managing online information

This strand explores how online information is found, viewed and interpreted. It offers strategies for effective searching, critical evaluation of data, the recognition of risks and the management of online threats and challenges. It explores how online threats can pose risks to our physical safety as well as online safety. It also covers learning relevant to ethical publishing.



## Health, well-being and lifestyle

This strand explores the impact that technology has on health, well-being and lifestyle e.g. mood, sleep, body health and relationships. It also includes understanding negative behaviours and issues amplified and sustained by online technologies and the strategies for dealing with them.



## Privacy and security

This strand explores how personal online information can be used, stored, processed and shared. It offers both behavioural and technical strategies to limit impact on privacy and protect data and systems against compromise.



## Copyright and ownership

This strand explores the concept of ownership of online content. It explores strategies for protecting personal content and crediting the rights of others as well as addressing potential consequences of illegal access, download and distribution.