



## KS1 Year A

### Information Technology

Use technology to organise, store, manipulate and retrieve digital content.

Log on, typing skills, save work, mouse skills.

Word processing with a range of digital content – photos, text, sound (open existing file, edit and save).

Organise and retrieve data using a database.

[2Investigate, 2Sequence]

### Digital Literacy

Use technology safely and respectfully

### Online safety

Understand implications of inappropriate online searches.

Understand how things are shared electronically.

## Year 3 Year A

### Digital Literacy

Collect and present data and information

Power point, [2Publish], Green

Screening

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Sharing information, Managing online

information, [online display boards]

e.g. Green screening iPad app,

Olympics.

## Year 4 Year A

### Computer Science

Design, write and debug programs that accomplish specific goals.

Use sequence, selection and repetition in programs; work with variables and various forms of input and output.

### Scratch

Use logic to explain algorithms and detect errors in programs.

[traffic light algorithm in 2Code]

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Sharing information, password safety [2Connect]

### Digital Literacy

Collect and present data and information

Power point, [2Publish], Green

Screening

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Sharing information, Managing online

information, [online display boards]

e.g. Green screening iPad app,

Olympics.

## Year 5

### Computer Science

Design, write and debug programs that accomplish specific goals.

Use sequence, selection and repetition in programs; work with variables and various forms of input and output.

Scratch 2

[2Code]

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Apps – location services

Online gaming

Online bullying

Online relationships

### Information Technology

Email

[2Email]

### Information Technology

Present data and information

Safe search

Use of search engines

Credible sources

Non-linear Power point presentation

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Current apps in use, acceptable use.

### Information Technology

Email

### Online safety

Email

[2Response, 2Email]

### Information Technology

Email

[2Email]

Analyse data and information

Databases

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Body image – social perception

Email

[2Response, 2Email]

## Year 6

### Computer Science

Design, write and debug programs that accomplish specific goals.

Use sequence, selection and repetition in programs; work with variables and various forms of input and output.

Lego

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Personal privacy

Mental wellbeing

Online reputation

Copyright, Permissions and Ownership

### Digital Literacy

Present data and information

Safe search

Prezi –Victorian Times

Website design – Victorian school (Instagram account of Victorian child)

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Social media apps

Social perception

Health well-being and lifestyle

Managing online information

Password security – unique.

### Information Technology

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs

Blogging (Diary entry – comparison of Blackburn and Mayan)

[2Blog, display boards]

Analyse data and information

Networks

Spreadsheets with formula – Excel (designing a meal,

supermarket websites)

Data logging (Temp at school compare to Mexican

weather)

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Online gaming

Chatrooms

Reporting

### Computer Science

Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.

Beebots and probots (Algorithms, Programs, Debug and Predict behaviour of simple programs).

[Purple Mash display board, 2Respond]

Digital Literacy.Keeping personal information private.

### Online safety

Develop an understanding of using email safely

[Purple Mash display board, 2Respond]

### Digital Literacy

Keeping personal information private; identify where to go for help and support when they have concerns.

### Online safety

Know how to report inappropriate behaviours and content to a trusted adult

### Computer Science

Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.

Algorithms, Programs, Debug and Predict behaviour of simple programs.

[The Wrong Sandwich or Colouring in a Bird activity.

Bubbles activity in 2Code. Debug Challenges: Chimp. 2Go Challenges.]

### Digital Literacy

Keeping personal information private; identify where to go for help and support when they have concerns.

### Online safety

Know how to report inappropriate behaviours and content to a trusted adult.

### Digital Literacy

Data organising, Collect, analyse, evaluate and present data and information

Spreadsheets (without formulae)

[2Calculate]

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Current apps, appropriate behaviour.

Reporting inappropriate content and

contact.

Online reputation

### Digital Literacy

Data organising, Collect, analyse, evaluate and present data and information

Spreadsheets (without formulae)

[2Calculate]

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Current apps, appropriate behaviour.

Reporting inappropriate content and

contact.

Online reputation

### Information Technology

Email

[2Email]

Analyse data and information

Databases

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Body image – social perception

Email

[2Response, 2Email]

### Information Technology

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs

Blogging (Diary entry – comparison of Blackburn and Mayan)

[2Blog, display boards]

Analyse data and information

Networks

Spreadsheets with formula – Excel (designing a meal,

supermarket websites)

Data logging (Temp at school compare to Mexican

weather)

### Digital Literacy

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

### Online safety

Online gaming

Chatrooms

Reporting



KS1 Year B	Lower KS2 Year B	Year 5	Year 6
<p><u>Information Technology</u> Use technology to organise, store, manipulate and retrieve digital content.</p> <p>Log on Typing skills Save work Mouse skills</p> <p>Word processing with a range of digital content – photos, text, sound (open existing file, edit and save). Sort, collate, edit and store simple digital content. [Purple Mash 2Quiz example (sorting shapes), 2Code design mode (manipulating backgrounds) or using pictogram software such as 2Count]</p> <p><b>Online safety</b> Keeping username and passwords safe</p> <p><u>Digital Literacy</u> Use technology safely and respectfully, keeping personal information private</p>	<p><u>Digital Literacy</u> Create Paint.net Photographs – edit (link to evaluating digital content)</p> <p><u>Digital Literacy</u> Identify a range of ways to report concern about content and contact.</p> <p><b>Online safety</b> Reporting Online gaming Online bullying Online relationships</p>	<p><u>Computer Science</u> Design, write and debug programs that accomplish specific goals. Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>Scratch 2 [2Code]</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Apps – location services Online gaming Online bullying Online relationships</p> <p><u>Information Technology</u> Email [2Email]</p>	<p><u>Computer Science</u> Design, write and debug programs that accomplish specific goals. Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>Lego</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Personal privacy Mental wellbeing Online reputation Copyright, Permissions and Ownership</p>
<p><u>Digital Literacy</u> Recognise common uses of information technology beyond school</p> <p><b>Online safety</b> Modern technology Information technology beyond school</p> <p><u>Digital Literacy</u> Recognise common uses of information technology beyond school</p> <p>Animation Make links between technology they see around them, coding and multimedia work they do in school. [‘Safe Search Kids’, 2Publish, animations]</p> <p><u>Digital Literacy</u> Use technology safely and respectfully, keeping personal information private</p>	<p><u>Digital Literacy</u> Communication introduce basic computer network hardware (CPU etc)</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> e-mail password safety [2Email]</p>	<p><u>Information Technology</u> Present data and information Safe search Use of search engines Credible sources Non-linear Power point presentation</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Current apps in use, acceptable use.</p> <p><u>Information Technology</u> Email <b>Online safety</b> Email [2Response, 2Email]</p>	<p><u>Digital Literacy</u> Present data and information Safe search Prezi –Victorian Times Website design – Victorian school (Instagram account of Victorian child)</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Social media apps Social perception Health well-being and lifestyle Managing online information Password security – unique.</p>
<p><b>Term three:</b> <u>Digital Literacy</u> Present Dazzle Power point <u>Digital Literacy</u> Use technology safely and respectfully, keeping personal information private</p> <p><b>Online safety</b> Ownership of work, save in private folder</p>	<p><u>Information Technology</u> Present Safe search for information to store Branching databases Databases Use databases to search [2Questions, 2Respond, 2Graph]</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> stay safe, conduct using ‘safe search kids’ using other search engines ‘google’ safely</p>	<p><u>Information Technology</u> Email [2Email]</p> <p>Analyse data and information Databases</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Body image – social perception Email [2Response, 2Email]</p>	<p><u>Information Technology</u> <b>Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs</b> Blogging (Diary entry – comparison of Blackburn and Mayan) [2Blog, display boards] Analyse data and information Networks Spreadsheets with formula – Excel (designing a meal, supermarket websites) Data logging (Temp at school compare to Mexican weather)</p> <p><u>Digital Literacy</u> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.</p> <p><b>Online safety</b> Online gaming Chatrooms Reporting</p>