The Big Ideas For Computing

Key Concepts

Safety:

SG1 I understand the benefits and dangers of life online.

SG2 I know how to safely use digital media, devices and how to manage situations.

SG3 I know and can explain the safe use and reporting methods on all platforms used.

Year 1 Autumn Term	
These objectives have not been met before	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact the internet or other online technologies.	Big Ideas SG1 SG2 Revision NA New Learning Understand that the internet can contain images and information that is not nice. Establish base rules for using the internet Vocabulary Tier 2- look for, choose, check Tier 3 – search, select, investigate

Year 1 Spring Term	
These objectives have been met before - Autumn term.	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Big Ideas SG1, SG2, SG3 Revision SG1, SG2, SG3 New Learning February internet safety day content from current year. Vocabulary Based on current year internet safety day topic.

Year 1 Summer Term part 1	
These objectives have not been met before	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Big Ideas SG1, SG2 Revision SG1, SG2 New Learning Search the internet for images (including safe search guidance) Extend to actions needed on encountering unintended images - link to home computer use. Vocabulary

Year 2 Autumn Term part 1	
These objectives were previously met on Year 1 (and reviewed Feb yearly (Internet safety day))	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	**Big Ideas** SG1, SG2 **Revision** Recap of digital safety rules from Y1. **New Learning** Develop base rules for using the internet (age appropriate). Be able to discuss and explain why rules for internet use are important. **Vocabulary** Tier 2- personal information, security, report

Year 2 Spring Term	
These objectives have been met before - Autumn term.	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Big Ideas SG1, SG2, SG3 Revision SG1, SG2, SG3 New Learning February internet safety day content from current year. Vocabulary Based on current year internet safety day topic.

Year 2 Summer Term (Short unit to facilitate SATs tests etc.)	
These objectives were previously met yearly	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	<u>Big Ideas</u> SG1 <u>Revision</u> Use of a camera to take basic point and shoot pictures Organising and deleting unwanted images. <u>New Learning</u> Getting permissions for images – check it's okay with the people in it. Safety check for personal information. <u>Vocabulary</u>

Year 3 Autumn Term part 1	
These objectives were previously met on Year 2 (and reviewed Feb yearly (Internet safety day))	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2, SG3 Revision Recap of digital safety rules from Y2. New Learning Develop base rules for using the internet (age appropriate). Become share-aware (sharing own content/ images online to a restricted audience. Vocabulary Tier 3 – age-appropriate

Year 3 Autumn Term	
These objectives were met before in Year 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2 New Learning

	Introducing GSuite – Logins for internet sites (and associated security needs)
	SG2 - Using history wipe and logout completely methods to maintain personal data security - link to other platfroms.
	Vocabulary
	Tier 2 – adjust, evaluate, choose, hold, drag

Year 3 Spring Term	
These objectives have been met before - Autumn term.	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Big Ideas
	SG1, SG2, SG3
	Revision
	SG1, SG2, SG3
	New Learning
	February internet safety day content from current year.
	Vocabulary
	Based on current year internet safety day topic.

Year 3 Summer Term

These objectives were met previously in Year 2	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	<u>Big Ideas</u> SG1 <u>Revision</u> Getting permissions for images – check it's okay with the people in it. Safety check for personal information.

Year 4 Autumn Term	
These objectives were previously met in Year 3 (and reviewed Feb yearly (Internet safety day))	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	<u>Big Ideas</u> SG1, SG2, SG3 <u>Revision</u> Recap of digital safety rules from Y3, sharing responsibly and protection of personal data. <u>New Learning</u> Develop base rules for using the internet (age appropriate). Online threat assessments – phishing (what is it? Why is it done? How can you protect yourself and your family from phishing)

	Vocabulary Tier 2- over-share, Tier 3 – age-appropriate, compromised security.

Year 4 Autumn Term Part 2	
These objectives were met before in Year 3 Unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2 Revision GSuite logins, maintaining password security, choosing a string password, keyboard and mouse manipulation.

Year 4 Summer Term Part 1	
These objectives were previously met in Year 3 unit 6	
National Curriculum Objectives	Key Knowledge and vocabulary
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	<u>Big Ideas</u> KC8, KC9 SG1 <u>Revision</u> Getting permissions for images – check it's okay with the people in it. Safety check for personal information. <u>Vocabulary</u>

Year 4 Summer Term Part 2	
These objectives were previously met in Year 4 unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1 Revision Using the internet safely New Learning Coding using HTML coding systems learn about the history of the web, before studying HTML (hypertext mark-up language), the language in which web pages are written. They learn to edit and write HTML, and then use this knowledge to create a web page. Picking and choosing appropriate language and content. Vocabulary Tier 2 – Live editing Tier 3 – hypertext, mark up, language, HTML

Year 5 Autumn Term part 1	
These objectives were previously met in Year 4, term 1, topic 1 (and reviewed Feb yearly (Internet safety day))	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2, SG3 Revision Recap of digital safety rules from Y4 + share aware and online threat analysis. New Learning Develop base rules for using the internet (age appropriate). Creating anti-hack processes Maintaining data security, Choosing stronger passwords,

	Vocabulary
	Tier 2- over-share,
	Tier 3 – age-appropriate, compromised security

Year 5 Autumn Term Part 2	
These objectives were met before in Year 4 Unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2 Revision GSuite logins, maintaining password security, choosing a string password, keyboard and mouse manipulation. Live collaboration, team working on a set task. Use GSuite share and live editing systems to create a topic related response to a set task. New Learning

Year 5 Summer Term Part 2	
These objectives were met in Year 5 Unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, Revision Internet access rules

Year 6 Autumn Term part 1	
These objectives were previously met in Year 5, term 1, topic 1 (and reviewed Feb yearly (Internet safety day))	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Big Ideas SG1, SG2, SG3 Revision Recap of digital safety rules from Y5 + share aware and online threat analysis. Phishing and hacking victimisation New Learning How to manage online problems, where to go and how to report more serious issues. How to support a friend/ family member who needs support. Giving support and helping others – being able to signpost people to sources of help. Cross links to PSHE and 'who can I tell?' Vocabulary Tier 2 - reporting

Year 6 Autumn Term Part 2	
These objectives were met before in Year 5 Unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	<u>Big Ideas</u> SG1, SG2 <u>Revision</u> GSuite logins, maintaining password security, choosing a string password, keyboard and mouse manipulation. Live collaboration, team working on a set task. Use GSuite to share and live editing systems to create a topic related response to a set task. <u>New Learning</u> Credibility checks using website cross-referencing and deductive reasoning. Establish if a source is reliable based on fact checking. Decision making based on source – be able to list significant news and media outlets that can be regarded as trustworthy. <u>Vocabulary</u> Tier 2 – live editing, adjust, evaluate Tier 3 - Logic, accurate, credible.

Year 6 Summer Term Part 2	
These objectives were met in Year 5 Unit 2	
National Curriculum Objectives	Key Knowledge and vocabulary
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact the internet or other online technologies.	<u>Big Ideas</u> SG1, SG2 <u>Revision</u> Check permissions of video participants. <u>Vocabulary</u> Tier 3 – Age appropriate, collaboration,