Dishforth Airfield Primary School - Computing Long Term Plan

Year A	EYFS Nursery and Reception		KS1 Year 1 and 2		LKS2 Year 3 and 4		UKS2 Year 5 and 6	
	ACTIVITIES	Focus and soft/hardware	UNIT	Focus and soft/hardware	UNIT	Focus and soft/hardware	UNIT	Focus and soft/hardware
Autumn 1	1. We have feelings 2. We are successful 3. We can understand instructions 4. We can exercise	1 & 2. Taking & displaying digital photos, combining them with text & sound - laptop - PowerPoint 3. Controlling equipment - Word / PowerPoint - laptop, electronic kitchen equipment 4. Using digital timers and thermometers - iPad / online timer / thermometers	We are Treasure Hunters	Solving problems using programmable toys

Bee-Bots, Bee-Bot app | We are programmers | Programming an animation

Laptops/desktops/Chromebooks Scratch | We are game developers | Developing an interactive game

Laptops/desktops/Chromebooks - Scratch |
| Autumn 2 | 1. We are creative 2. We can take turns 3. We have confidence 4. We are DJs | 1. Choosing and using tools in an art application – interactive whiteboard / iPad / laptop - 2Paint 2. Manipulating objects on a screen - Purple mash / Word / PowerPoint – IWB / iPad / laptop 3. Recording &playing back sounds – laptop / microphone - PowerPoint 4. Controlling digital sound files & videos – laptop / lights & karaoke machine - | We are TV Chefs | Filming the steps of a recipe

iPads Camera app iMovie | We are bug fixers | Finding and correcting bugs

Laptops/desktops/Chromebooks Scratch Screen recorder software | We are cryptographers | Cracking codes

Laptops/desktops/Chromebooks iPads or Android tablets - Scratch |
| Spring 1 | 1. We are talkers 2. We are digital readers 3. We can listen 4. We are community members | 1. Using video cameras to record record video clips – laptop / video camera / tablet – Microsoft movie maker / IMovie 2. Choosing 7 opening applications & engaging with digital texts – iPad / laptop – Oxford Owl / Sebastian Swan / CBeebies Bedtime Stories 3. Use tech to communicate verbally – walkie-talkies / phone / radio 4. Taking & displaying digital photos, recording sound – laptop / iPad - PowerPoint | We are digital artists | Creating work inspired by great artists

iPads Brushes Redux Autodesk Sketchbook | We are presenters | Videoing a presentation against a green screen

iPads Green screen background Tripods and iPad mounts Popplet iMovie | We are architects | Creating a virtual space

Laptops/desktops/Chromebooks iPads or Android tablets - Trimble SketchUp Screen recorder |
| Spring 2 | 1. We can drive 2. We are shape makers 3. We can count 4. We can blog | 1. Investigating everyday technologies – laptop / printer / digital cameras – PowerPoint / Word 2. Using light projectors, switching on technology – IWB / lightbox – SMART Notebook 3. Programming a programmable toy – Bee bots 4. Communicating with digital text – digital camera / laptop / microphone - online blogging tool / Tapestry | We are publishers | Creating a multimedia eBook about our achievements

iPads, Book Creator, Google Photos | We are who we are | Creating presentations about ourselves

Laptops/desktops/Chromebooks Google Slides Screen recorder software | We are web developers | Making sense of the Internet and building a website

Laptops/desktops/Chromebooks iPads or Android tablets - Google Chrome Google Sites |
| Summer 1 | 1. We can observe 2. We can understand messages 3. We are designers 4. We are healthy | 1. Taking photographs using a digital microscope – laptop / handheld digital microscopes – digi microscope software / Word 2. Controlling a& using sound – iPad / talk buttons 3. Controlling a remote-control toy 4. Internet research, opening apps – laptop – Word / web browser | We are rhythmic | Creating sound patterns in ScratchJr and GarageBand

iPads, GarageBand ScratchJr | We are co-authors | Producing a wiki

Laptops/desktops Google Sites Popplet | We are adventure gamers | Creating an interactive adventure using presentation software

Laptops/desktops/Chromebooks - Google Slides Voice recorder |
| Summer 2 | 1. We can record soundtracks 2. We are game players 3. We can email 4. We are film producers | 1. Recording a soundtrack – laptop / video camera – Garageband 2. Opening a& closing files – laptop / iPad – Cbeebies games / iPad apps e.g. Toca Boca 3. Using email to communicate – laptop – Learning platform email tool 4. Recording video clips for a short film – laptop / video camera – Windows movie maker / iMovie | We are detectives | Using data to solve clues

iPads, Popplet, Google Forms, Google Sheets | We are opinion pollsters | Collecting and analysing data

Laptops/desktops/Chromebooks Google Forms Google Sheets Google Slides Google Drive | We are VR designers | Experimenting with virtual and augmented reality

iPads or Android smartphones Google Cardboard - Google Street View / GarageBand / CoSpaces |

Year B	EYFS Nursery and Reception		KS1 Year 1 and 2		LKS2 Year 3 and 4		UKS2 Year 5 and 6	
	Activities	Focus and soft/hardware	UNIT	Focus and soft/hardware	UNIT	Focus and soft/hardware	UNIT	Focus and soft/hardware
Autumn 1	1. We have confidence 2. We can take turns 3. We are successful 4. We can listen	1. Recording &playing back sounds – laptop / microphone – PowerPoint 2. Manipulating objects on a screen - Purple mash / Word / PowerPoint – IWB / iPad / laptop 3. Taking digital photos, combining them with text & sound - laptop – PowerPoint 4. Use tech to communicate verbally – walkie-talkies / phone / radio	We are astronauts	Programming on screen in ScratchJr iPads ScratchJr	We are software developers	Developing a simple educational game Laptop/desktop computer Scratch	We are toy makers	Coding and physical computing Laptops/desktops/Chromebooks micro:bits - MakeCode Scratch
Autumn 2	1. We can email 2. We can understand instructions 3. We are DJs 4. We have feelings	1. Using email to communicate – laptop – Learning platform email tool 2. Controlling equipment - Word / PowerPoint - laptop, electronic kitchen equipment 3. Controlling digital sound files & videos – laptop / lights & karaoke machine 4. Taking digital photos, combining them with text & sound - laptop - PowerPoint	We are games testers	Working out the rules for games iPads Scratch Laptops/desktops/Chromebooks FixTheFactory	We are makers	Coding for micro:bit Laptop/desktop computer micro:bit Microsoft MakeCode	We are computational thinkers	Mastering algorithms for searching, sorting maths Laptops/desktops/Chromebooks - Scratch
Spring 1	1. We are digital readers 2. We are talkers 3. We are film producers 4. We can record soundtracks	1. Choosing 7 opening applications & engaging with digital texts – iPad / laptop – Oxford Owl / Sebastian Swan / CBeebies Bedtime Stories 2. Using video cameras to record record video clips – laptop / video camera / tablet – Microsoft movie maker / IMovie 3. Recording video clips for a short film – laptop / video camera – Windows movie maker / iMovie 4. Recording a soundtrack – laptop / video camera – Garageband	We are photographers	Taking, selecting and editing digital images iPads Camera app Photos app Snapseed	We are musicians	Creating a piece of music in GarageBand iPad GarageBand	We are publishers	Creating a yearbook or magazine Laptops/desktops/Chromebooks Digital cameras or iPads - Google Docs
Spring 2	1. We are shape makers 2. We can exercise 3. We are healthy 4. We are game players	1. Using light projectors, switching on technology – IWB / lightbox – SMART Notebook 2. Using digital timers and thermometers - iPad / online timer / thermometers 3. Internet research, opening apps – laptop – Word / web browser 4. Opening a& closing files – laptop / iPad – Cbeebies games / iPad apps e.g. Toca Boca	We are safe researchers	Researching a topic iPads Popplet Google Slides Google custom search	We are bloggers	Sharing experiences and opinions Laptop/desktop computer Digital camera WordPress or Blogger	We are connected	Developing skills for social media Laptops/desktops/Chromebooks Digital cameras or iPads - School blogging platform Padlet
Summer 1	1. We can blog 2. We can observe 3. We are healthy 4. We are community members	1. Communicating with digital text – digital camera / laptop / microphone - online blogging tool / Tapestry 2. Taking photographs using a digital microscope – laptop / handheld digital microscopes – digi microscope software / Word 3. Internet research, opening apps – laptop – Word / web browser 4. Taking & displaying digital photos, recording sound – laptop / iPad - PowerPoint	We are animators	Creating a stop-motion animation iPads Stop Motion Studio	We are artists	Fusing geometry and art Laptop/desktop computer Scratch Inkscape Terragen	We are advertisers	Creating a short television advert Laptops/desktops/Chromebooks Digital cameras or tablets - iMovie
Summer 2	1. We can understand messages 2. We are designers 3. We can count 4. We can drive	1. Controlling a& using sound – iPad / talk buttons 2. Controlling a remote-control toy 3. Programming a programmable toy – Bee bots 4. Investigating everyday technologies – laptop / printer / digital cameras – PowerPoint / Word	We are zoologists	Collecting data about bugs iPads Google My Maps Google Docs/Sheets/Slides Camera and Photos apps	We are meteorologists	Recording and presenting the weather Equipment for measuring weather Microsoft Excel Microsoft PowerPoint Keynote	We are AI developers	Learning about artificial intelligence and machine learning Laptops/desktops/Chromebooks iPads - Scratch Machine Learning for Kids Audacity Google Chrome