**Information Technology Unit Overview**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Unit 1 | Apps/Suites | Unit 2 | Apps/Suites |
| EYFS |  |  |
|  | 1. How to open the Camera app on an iPad
2. How to frame a photo
3. Choose type of image – photo/video etc
4. Zoom function
5. Review images – thumbnail, Photos, Camera Roll in apps
6. Use Clips to take photos
7. Add voiceovers in Clips
 |  Clips / Camera:Camera App | 1. How to open and access Book Creator
2. Select a book format
3. Take a picture to add onto a page
4. Move photos into place
5. Add sound via the microphone button
 | Book Creator |
| Endpoint IdeasMe and My WorldWhat do I look like?Can I discuss my photo?Can I take a photo of my friend?Can I zoom in?Can I take a photo of my finished model?Can I retell someone how and why I built my model? | Endpoint IdeasTopic TitleCan I take pictures of a sound?Can I put these pictures into a book?Can I add a voice recording?Can I make a season book?Can I explain the changes that I see? |
| Project Evolve linksI can give examples of technology I can see in my environment | Project Evolve linksUnderstand why we use passwords. |
| Year 1 | Using Clips to Create Video | Taking photos |
| 1. Take and review photos and video content
2. Import chosen videos and photos into Clips
3. Use Stickers and Voice recordings to create a complete Clip
 | Clips / Camera | 1. Take and review photos and video content
2. Select a photo or video to add onto a page
3. Move photos and videos into place
4. Add sound via the microphone button
5. Add Text within the Clip
6. Add Handwriting with the pen button
 | Book Creator |
| Endpoint IdeasMy World and My SchoolLook at existing photos of the school and review what they see.Understand the purpose of the camera App.Take a video of their school, to show to an alien who has come to visit.Import video into clips and add a voice over.Get the children to make a day in the life video. | Endpoint IdeasKings, Queens & CastlesGet the children to take screenshots of a famous king or queen.Import shots into book creator.Can they add text, why are they significant?Add a voice over on front page, similar to a blurb. |
| Project Evolve linksI can give examples of technology in the home.I can explain how passwords can be used to protect me. | Project Evolve linksI can recognise ways internet can be used.I can talk about how I can use the internet.I can discuss how to use the internet safely.I can name my own work.I can save my work under a suitable name. |
| Year 2 | Data Handling & Charts | Finalised Clip & Book Creator products |
| 1. Collect data that can be used in charts and graphs (link to topic).
2. Using Numbers (or Excel – skip to step 5 first) to record and organise data collected
3. Using same data, create a bar chart
4. Export bar chart as a photo to create a Clip or Book to explain work and understanding
5. Introduction to Windows devices and logging on process
 | Data Collection & Numbers & Windows & Office 365 | 1. Reviewing quality of photos and videos and creating new if needed
2. Adding Music in Clips
3. Adding Titles in Clips
4. Adding Posters in Clips
5. Using Book Creator to create a Comic
6. Sequence events to structure the comic book
7. Optional showcasing of finished products – School, Hub or Trust wide
 | Clips, Book Creator & Camera |
| Endpoint IdeasThen and NowExamine existing bar charts.Take a survey on favourite technologyInput data onto a spreadsheet.Discuss what there data has shown (favourite, least favourite).Children to create their own bar chart on a based on a pictogram they have been given. | Endpoint IdeasBeside the seasideFind pictures and information from a QR code given.Add pictures into Clips.Make a trailer for the seaside, adding music and titles.Children to show trailers during topic show and tell. |
| Project Evolve linksI understand that work created by others does not belong to me, even if I save a copy.I can give examples of how to find information using digital technologies | Project Evolve linksI can give simple examples on how to find information.I can use simple key words in search engines.I can navigate a simple web page. |
| Year 3 | Multimedia introduction | Data Handling & logging |
| 1. Introduction to iMovie and basic features
2. Add photos, videos and voiceovers onto a specific timeline
3. Introduction to Keynote for presenting learning
4. Creating slides with transition, adding photos and text
5. Using any of the above skills, create a final topic piece
6. Using templates in Pages to write for a purpose – talking to an audience
 | iMovie, Keynote, Pages & Office 365 equivalents | 1. Collect data on Sound for Geography topic that can be used in charts and graphs (link to topic), using data loggers or decibel apps.
2. Using Numbers (or Excel) to record and organise data collected
3. Option to use Microsoft Forms to collaborate and request others complete a form to collect data – teacher led
4. Choose suitable graph or chart type to showcase data collected
5. Export bar chart as a photo to create an iMovie or Keynote to explain work and understanding
 | Data Collection & Numbers & Forms/Excel plus external Data Loggers or Apps |
| Endpoint IdeasStone AgeFilm a how-to video for making an ancient artefact.Add clips you have filmed to iMovie.Add music and voiceovers.Present a short presentation for another class using keynote, using slides.Write a story about a the Stone Age cavemen using Pages | Endpoint IdeasThe United KingdomCollect data on what topographical features are in a chosen county.Put this data onto a spreadsheet, focusing on commonality of different features.Discuss how our data is organized.Can they choose their graph of preference and explain why.Children to then add their data to make a presentation for an assembly.  |
| Project Evolve linksI can explain how identity online can be copied.I can explain how to search for information about others.I can describe simple strategies for creating and keeping passwords private. | Project Evolve linksI can explain why I should only share information with people I trust.I can describe how connected devices can collect and share anyone’s information with others.I can demonstrate the use of search tools to find and access online content which can be resued by others. |
| Year 4 | Further refinement of multimedia skills | Productivity & Communication |
| 1. Refine iMovie skills to include, Titles, Transitions and Music
2. Introduce Green Screen to create content to include in iMovie – work collaboratively
3. Introduction to loops in Garageband to create an original piece of music
4. Add audio recording to piece of music – e.g. rap a narrative
 | iMovie, Garageband & Pages | 1. Using Pages to write for a purpose – talking to an audience
2. Using Keynote to present learning, introducing features such as animations (Follow path), magic move (layers) and drawings
3. Introduction to Office 365 and email. Understand how email works and when to use it
4. Explore collaboration tools within Office 365
 | Pages & Keynote or Office 365 equivalents |
| Endpoint IdeasRiversWrite a report on country of your choice, identify it on the map, think about culture and food?Ge the children to present this on Pages, can some presentations be filmed to go on Class Stories?Children to compose an email to someone they admire, can they discus questions they might ask, information they need to include.Explore what the children can do with Office 365. | Endpoint IdeasAncient MayansGet the children to create a newspaper report, as if in Ancient Mexico.Children to film using a green screen, think carefully about photo background they choose.Children to create an intro piece of music to their newspaper report , using Garageband. |
| Project Evolve linksGive examples of technology forms of communication.I can search for information about an individual online and summarise.I can appropriate ways to behave to others online and why this is important.I can give examples of bullying behaviour and explain where I can go to get help. | Project Evolve linksI can give reasons why we should only share information with people we choose to and trust.I can describe strategies to keep personal information private, depending on context.I can explain what a strong password is.I can explain how free Apps and or services may rea and share private information. |
| Year 5/6 | Podcasting | Stop Frame AnimationData Handling extended |
| 1. Explore podcasts. What themes/jingles used.
2. Explore Garageband (recording and editing audio, adding effects, mixing audio levels, augmenting with loops)
3. Podcast to be created on current topic themes
4. Create script for Podcast in Pages and use as an autocue
 | Garageband & Pages | **Animation**1. Create a storyboard for a scene
2. Create animation using objects, people or Playdoh
3. Export to iMovie and add voice, music and effects

**Numbers (or Excel)**1. Create table of data and begin using formula (sum etc.) and conditional formatting (highlight cells)
2. Represent data in graphs
 | iMotion, iMovie & Numbers of Office 365 equivalent |
| Endpoint IdeasScript and create their own podcast linked to their current topic or a topic of interest.Get the children to create their own jingle and end of show song.Children to explain choices in music they have created.Present podcasts to parents. | Endpoint IdeasChildren to create a data sheet of social media/Apps/Medias they are accessing out of school.Use this data and put it into spreadsheet, create a formula to then put this information in simply.Children to present a bulletin program with data they have found out.Using Tykercad get the children to create a gaming room. |
| Project Evolve links 7-11**Year 5**[Online Reputation 1](https://projectevolve.co.uk/toolkit/resources/content/online-reputation/7-11/i-can-explain-how-to-search-for-information-about-others-online/?from=curriculums&id=6) - I can explain how to search for information about others.[Online Reputation 5](https://projectevolve.co.uk/toolkit/resources/content/online-reputation/7-11/i-can-describe-ways-that-information-about-anyone-online-can-be-used-by-others-to-make-judgments-about-an-individual-and-why-these-may-be-incorrect/?from=curriculums&id=6)I can describe ways that information about anyone online can be used by others to make judgments about an individual and why these may be incorrect**Year 6**Describing ways people can be bullied through a range of media.I can describe how to capture bullying content as evidence.Why we should keep our software Apps up to date.Describe simple ways to keep their Apps up to date. | Project Evolve links**Year 5**[Copyright and ownership 1](https://projectevolve.co.uk/toolkit/resources/content/copyright-and-ownership/7-11/i-can-demonstrate-the-use-of-search-tools-to-find-and-access-online-content-which-can-be-reused-by-others/?from=curriculums&id=6) -I can demonstrate the use of search tools to find and access online content which can be reused by others.[Copyright and ownership 2](https://projectevolve.co.uk/toolkit/resources/content/copyright-and-ownership/7-11/i-can-demonstrate-how-to-make-references-to-and-acknowledge-sources-i-have-used-from-the-internet/?from=curriculums&id=6) - I can demonstrate how to make references to and acknowledge sources I have used from the internet.**Year 6**I can explain what autocomplete is.I can explain the benefits and limitations of using different types of search technologies.I can explain how to make references to and acknowledge different sources I use |