Computing Coverage 2019-2020

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Understanding the World – Tech -To use the home button to navigate the screen. -To swipe the screen to move from screen to screen. -Understand computers can convey information.	Understanding the World – Tech -Use torches turning them on and off. - Use the torches beam to manipulate the light and change colours. -Shine the torch through different papers. -Provide torches and cover tables to make dark spaces. - Using RM Colour Magic and the 'fill tool' to create 'Rangoli' patterns for Diwali.	Understanding the World – Tech -Capture key moments using a digital camera. -Children learn the on/ off switch, the zoom lens, the flash, the digital picture. -Children record 5 key moments of their day. **MGL (Educational Consultant) to add additional teaching this term.**	Understanding the World – Tech -Seeks to acquire basic skills in turning on and operating some ICT equipment. -Operates mechanical toys, e.g. turns the knob on a wind-up toy or pulls back on a friction car. VR Goggles/ Beebots/ Green Screen / Ipads.	Understanding the World – Tech -Sound buttons, children to record a story on the sound buttons. -Children learn how to over write the original message and delete and re-record. - Exploring computing equipment. - Reading electronic book.	Understanding the World – Tech - Exploring computing equipment outside using remote controlled toys. - Everyday technology in the outside / indoor role-play area e.g. an iron. - Exploring different moving toys and working on key vocabulary like turn, push, pull, lift, press, button and remote control.
Reception	Understanding the World- Tech -Arrange unused items of technology within continuous	Understanding the World- Tech -Children to use headphones as a way of listening to computers.	Understanding the World- Tech -BBC Schools – Dancemat Typing	Understanding the World- Tech -Early Learning Goal Children recognise that a range of	Understanding the World- Tech - Using 'Hot Maths' software to support counting and number	Understanding the World- Tech -Using 'Daisy the Dinosaur' App to try out different

	provision, camera's, key boards, mouse, radio cassettes, ipods. -Class desktops to be accessed by the children. Log on details taught, manipulating the mouse and on-screen instructions. -Purple Mash. -Ipads.	- Learning basic Internet navigation skills and computer keyboarding skills (1 finger I hand). -Use an Ipad to create a picture. - To create a firework picture using fill and spray can tools. -Ipads.	-Stranger Danger, children aware of internet safety. - To select, drag and drop features to create a picture or move an item -Phonics Apps (manipulate and select correct data). -Ipads.	technology is used in places such as homes and schools. - They select and use technology for particular purposes. **MGL (Educational Consultant) to add additional teaching this term**. VR Goggles/ Beebots/ Green Screen / Ipads.	work on interactive touchscreen. - Using 'Phonics play' software to support phonics work on interactive touchscreen. -Navigate appropriate curriculum APPs. -Ipads.	sequences of instructions. -Purple Mash.
Year 1	- Log on independently. - Using the Bee-bots on a pirate map. Positional language (CP). -Access curriculum Apps independently and navigate correctly. -Reading Wise. - Computer component names.	-Programming, Coding, Gaming Robotics Giving instructions to Floor turtles and on-screen sprites. -Creating algorithms. Beebot, Kodable, Daisy Dino. -Avatar creator, Pic Collage. **MGL (Educational Consultant) to add additional teaching this term.**	-Access curriculum Apps independently and navigate correctly. -Reading Wise - Stranger Danger, Internet Safety. -Browser skills: open, minimize, maximize, scroll, forward, back, close.	-Access curriculum Apps independently and navigate correctly. -Reading Wise. -Internet Safety: I will not share my details with anyone else and will know to advise an adult when there is something I do not like or scares me. -Publish information about how leaves change colour & the seasons. -Design a poster about online safety.	-Access curriculum Apps independently and navigate correctly. -Reading Wise. -Research using search engines to collect information and publish information about Kitty Wilkinson. -Draw & Label parts of a plant using 2Simple / Purple Mash. -Use a program such as Paint to create a picture. (link to Art).	-Access curriculum Apps independently and navigate correctly. -Locate and access correct programme. -Reading Wise. -Know how to log out safely and the reason why. -Internet safety, passwords. -Google Maps – link to Geography & Kenya. -Life cycle of a plant research using search engines.
Year 2	-Researching on the Internet and making fact sheets about the Titanic.	-Communicating & The Web. -Internet safety. -Coding using scratch.	-Graphing, picture graphs created using Purple Mash. 2Graph. -Use technology purposefully to create, organise,	-Design a poster about online safety. -Research healthy food using search engines.	-Use green screen to create own story of Jim & The Beanstalk. -Internet Safety, use technology safely and	-Internet Safety, use technology safely and respectfully, learn who to go to for help. -Design a leaflet about Southport or

	-Writing a set of instructions using Microsoft Word. -Typing using 1 finger 2 hands. -Navigate the keyboard -Navigate using the touchpad.	-Christmas card creation using painting and creative packages. -TTRS – links to time tables. **MGL (Educational Consultant) to add additional teaching this term.**	store, manipulate and retrieve digital content – link to maths. -Successfully search the internet to collate facts about Rosa Parks/Mary Seacole. -Reading Wise App.	-Present findings using technology purposefully to create, organise, store, manipulate and retrieve digital content.	respectfully, learn who to go to for help.	Liverpool using purple mash. (link to enrichment trip.
Year 3	-Problem Solving & The Real World - Design a model onscreen using Lego design software Minecraft **MGL (Educational Consultant) to add additional teaching this term.**	-TTRS, links to time tables. -Volcanoes - use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. -Forces & Magnets, collecting, analysing, evaluating and presenting data and information. -Internet Safety, recognise acceptable/unacceptable behaviour.	-TTRS links to time tables. -Sketch up to create Ancient Greek Temples. -Research famous artist using browser safely. -Reading Wise App.	-Design a poster about online safety. -TTRS links to time tables. -Link to literacy, SKYPE - Saviour Pirotta OLI author. -Reading Wise App. -Research & Share information about the Mediterranean.	-TTRS links to time tables. -Reading Wise App. -Coding - design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	-TTRS links to time tables. -Reading Wise App. -Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
Year 4	-Collecting, Exploring and Recording Data. -Databases. Purple Mash databases. -Spreadsheet and graphs. -Presenting findings Excel. **MGL (Educational Consultant) to add additional teaching this term**	-Internet Safety- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	-Sketch up to create Ancient Greek Temples. -Research famous artist using browser safely.	-Design a poster about online safety. -Link to literacy, SKYPE - Saviour Pirotta OLI author. -Research & Share information about the Mediterranean.	-Coding - design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	-Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.

Year 5	-Macbooks: basic skills (typing, opening and closing programme, using the internet safely). Navigating the screen and double click mouse pad. -Research skills – Ancient Eygpt.	-Macbooks : basic skills (typing & short cuts, opening and closing programme, using the internet safely). Navigating the screen and double click mouse pad. -Research skills – Where are the Rainforests of the world located and what can be done to maintain them? -Internet safety – knowing the credibility of information I am reading.	Macbooks – basic skills (increased typing speed and accuracy, opening and closing programme, using the internet safely). Navigating the screen and double click mouse pad. -Reading wise comprehension programme. -Researching the Mayans and sharing the information in a PowerPoint presentation.	-Design a poster about online safety. Programming. -Coding, Gaming and Robotics. -3D Moon world in Kodu. Link – Earth & Space Kodu. **MGL (Educational Consultant) to add additional teaching this term.**	-Collecting, exploring and recording data Spreadsheet and graphs. -Presenting findings Excel. -Problem solving & the real world Cad Design using Sketch Up. -Create & Share Digital Artefacts. -Create Digital Pop Art using Picassa. -Online photo editing **MGL (Educational Consultant) to add additional teaching this term.**	Macbooks – basic skills (increased typing speed and accuracy, opening and closing programme, using the internet safely). Navigating the screen and double click mouse pad. -Reading wise comprehension programme. -Links to History & Geography using cameras to photograph the landscape and skyline from school.
Year 6	-TTRS. -Reading Wise.	-TTRS. -Mac books for writing newspaper report about Guy Fawkes. (Purple Mash). -Purple mash for grammar. -Word processing. -Research ww2. -Reading Wise.	-TT -Research and present Evolution linking to science.	-Design a poster about online safety. -TTRS. -Links to Geography, Google Maps map software & atlases. -Reading Wise. -Presentation using PowerPoint or Prezi, adding pictures, changing font size and colour. Saving and retrieving.	-TTRS. -Reading Wise. -Presentation using PowerPoint or Prezi, adding pictures, transitions and animations. Changing font size and colour. Saving and retrieving. Adding sound and hyperlink.	-TTRS. -Produce, edit & publish media. -Create a website using Komposer and HTML. -Create and share digital artefacts. -Podcasting using AUDACITY. -Programming, Coding, Gaming and Robotics. -Creating algorithms in Scratch to make a game. **MGL (Educational Consultant) to add additional teaching this term.**