Year: 1/2 Subject: Computing	Topic Question/Title: Online Safety		Term - Autumn 1	Curriculum - B
PoS: Digital literacy				**
children in year 1 will have completed work on online safet Children in EYFS have looked at how to use devices safely a Children in year 1- looked at project evolve and have compl internet safely, permission, online bullying, showing respec		bullying, responsib	et, online relationships, online ole, personal information, sy, security, password.	Outcome Children to create a poster to explain what they have learnt in the unit.
		Stimulus Be internet legends game. First hand experiences (enrichment)		World of Work General employment skills for a variety of jobs.
In year 2- children will recap their learning of online safety a using similar things. In year 3- Children will progress to looking in more detail of	online safety. They will look at identity, respectful behaviour, how cceptable use of online platforms, protecting privacy online and	Be internet legend		Media Computer programmer/ designer Social media influencer.
National Curriculum PoS	Key Knowledge		Possible evidence	
Use technology safely and respectfully, keeping personal in private; identify where to go for help and support when the concerns about content or contact on the internet or other technologies.	ly have If something happens that makes me feel sad, worried, if	k to an adult I can e with people I ind to people online without asking a upset others and nings online which are real or ology both in and ation, accounts and adult before sharing others.	See 'Be internet legends' resources.	irces.

Year: 1/2 Subject: Computing	Topic Question/Title: Weird & Wonderful		Term - Autumn 2	Curriculum - B
PoS: Information Technology				Curriculum - B
Prior Knowledge All year 2s should be able to: Recognise software used in school where information can be inputted. • Know how to open and save a document from/to a specific low to find previously saved files in folders using File low to the second se	ocation within Word. Explorer. past. computer.	Key Vocabulary Word, keyboard, ba document, keys, se	ck space, mouse, open, save, ect, edit.	Outcome Children to create their own edited text for purpose
Year 1s will have looked at in EYFS have looked at how to use device Future Learning In year 2- children will continue to explore these skills and knowledge changes and text manipulation. In year 3- children will develop this understanding further but going word documents using more skills. They will also link their learning to from the internet to use in their presentations.	ge into looking at word processing and more purposeful on to use these skills to create PowerPoint documents and	Stimulus Children to look at a Adverts First hand experient Using the computer		World of Work Journalist /Author
 • Use technology purposefully to create, organise, store, manipulate and retrieve digital content. • Recognise common uses of information technology beyond school. • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 	 Key Knowledge To recognise that a keyboard is used to enter text To recognise that text can be changed To recognise that the appearance of text can be composed To recognise that text can be edited. To consider the impact of choices made To know how to open and save a document from location within Word. To know how to find previously saved files in fold Explorer. To recognise where similar digital tasks have been To know how to login and out of computers. 	into a computer hanged to a specific ers using File	 Link the outcome to a piece of work linked to your topic to malearning more meaningful for the children. Children should be familiar with how to sit at a computer in the correct way, recap this very quickly to remind them. Children should be able to type using correct hand positioning trying not to use just one finger at a time. Children should be able to turn the computer on and log in to class. Mixed ability pairs will help with this. Children to look at why we need to edit our writing. 	
	 Application of Key Skills To use letter, number, and Space keys to enter text into a computer. To use punctuation and special characters To use the Backspace key to remove text. To choose options to achieve a desired effect To use Undo Type simple words/ sentences (where appropriate) 		 Children can open a document and then begin to practice typing skills. Children should use capital letter and full stops in their typing. Once work has been typed, even if this is a simple sentence of creation of their name in typed form, children will need to save their work. Children should be given a piece of writing for them to edit and then to talk about why they have edited it. Children need to be reminded about the use of double clicking to find the file destination, encourage children not to move the mouse when they double click. 	

Year: 1/2 Subject: Computing T	opic Question/Title: Treasure hunters		Term - Spring 1	Curriculum - B
PoS: Computer Science				**
Prior Knowledge If children are in year 1, children will have looked at some basic online skills science or programming yet. If children are in year 2, they will have looked at Bee-bots last year. They wi using the bee-bots. Children will build on their knowledge and understanding given command does. They looked at understanding that a program is a set Future Learning This unit progresses learners' knowledge and understanding of giving and for other to giving instructions to a robot by programming it. In this same year of sequencing, commands and instructions in the next unit of Scratch Jr. Next year in year 2 children will continue this learning, they will look at Been sequencing.	Il have looked at sequencing, ordering and debugging routes ag from the last unit. They have looked at explaining what a of commands that a computer can run. Collowing instructions. It moves from giving instructions to each children will look at programming again. They will use the skills again in more detail. They will also complete another		vice, sequence, instructions, order, debug, directions.	Outcome Treasure Map World of Work Programmer
 National Curriculum PoS Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs Recognise common uses of information technology beyond school 	Key Knowledge To explain what a given command does To match a command to an outcome To understand that a program is a set of commands the run To recall that a series of instructions can be issued before	start predicting the outcome of programs.		pot command does and use that knowledge to rograms. or un a program and then debug the program if y at least two different routes to get from the and square.
	 Application of Key Skills To predict the outcome of a command on a device To list which commands can be used on a given device To run a command on a floor robot To choose a command for a given purpose To choose a series of words that can be enacted as a perior of the commands in steps To run a program on a device 	ırogram	on a floor robot might do and the linking an outcome to a button prommand buttons, as well as the Children will make their prediction program steps to movements. Children will decide what their program and test it on the robot. program. Children will be encouraged to plant the state of the	or robots. They will talk about what the buttons in try the buttons out. They will spend time ess. Children will consider the direction 'clear memory' and 'run program' buttons. ins by looking at the commands and matching the ogram will do. They will then create their Where needed, children will also debug their an routes around a mat before they start to write trivities in this lesson also introduce the concept of to solve a problem.

Year: 1/2 Subject: Computing PoS: Information Technology	Topic Question/Title: Strike a Pose		Term - Spring 2	Curriculum - B
Prior Knowledge All year 2s should be able to: Recognise software used in school where information can be inputte know how to open and save a document from/to a specific location of folders using File Explorer, recognise where similar digital tasks have keys to enter text onto a computer. Year 1s will have looked at in EYFS have looked at how to use devices All children will have used an IPad and should be familiar with using a	within Word, know how to find previously saved files in been done in the past, To use letters, numbers and space safely and how long to use the devices for.	Key Vocabulary Photo, photograph, edit, landscape and	photography, zoom, filter, portrait.	Outcome Photo Exhibition to display
Future Learning In Summer 2, children will also complete a digital drawing unit where Children with move onto in year 3/4 looking at editing photos, rotating from a photo to improve the photo to meet a given purpose. They will videos. This unit will help build and give the children the basic skills of future units of learning across school.	e they will use some skills to create digital artwork. ng, adding filters, cloning and removing unwanted things ill also move onto in year 5/6 looking at making and editing	Stimulus Photo Bingo First hand experient	ces (enrichment)	World of Work Photographer
 Use technology purposefully to create, organise, store, manipulate, and retrieve digital content Recognise common uses of information technology beyond school Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies 	To talk about how to take a photograph To recognise that photographs can be saved and viewed later To recognise features of 'good' photographs To identify how a photograph could be improved To recognise that photographs can be change after they have been taken of and		 Children to learn about might need to use the Children to think about create a checklist of Children to experiment effect the photos. Children then to have have created using domain to explore so and briefly explore we Children also to evaluation. 	but what makes good photos- children to how to take one and what must be included ent with different lighting and how these can e time to explore editing the photos they
	Application of Key Skills To capture a digital image To take photographs in both landscape and portrait form To view photographs on a digital device To hold the camera still to take a clear photograph To use zoom to change the composition of a photograph To improve a photograph by retaking it To use filters to edit the appearance of a photograph	at	 photos, discuss possible Learning will be easier at cameras will work. This unit uses screensho 	ing at a range of devices that will take advantages, and disadvantage. nd will allow all children to use IPad with ts from the website https://pixlr.com/x/ , ne Pixlr app if you're using tablets.

Year: 1/2 Subject: Computing ToS: Computer Science	opic Question/Title: Space Race!		Term - Summer 1	Curriculum - B
Prior Knowledge This unit progresses learners' knowledge and understanding of program hunters, where children will have learned to program a floor robot us All children will now have looked at the BeeBots in previous units, loo at commands, outcomes also how to program a device to meet a purpoblem solve when they have encountered a problem.	ing instructions. king at sequencing and algorithms. They will have looked	Key Vocabulary Command, outcome, p device, instructions, lo	orogram, algorithms, digital gical reasoning.	Outcome Create Rocket Game
Future Learning Next year in year 2 children will continue this learning, they will comp programming skills of sequencing and recognising that a command will n year 3, children will progress this learning onto Scratch using the controls. They will look into more detail using sprites and a variety of	ill have an outcome. omputers. They will look at sequencing, events and	Stimulus Play Computer Game already exist. First hand experience Using IPads	es/scratch programs that es (enrichment)	World of Work Game Programmer
National Curriculum PoS	Key Knowledge	F	Possible evidence	
 Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs 	To predict the outcome of a command on a device To list those commands that can be used on a given device To explain what a given command does To recognise how to run a command (press a button) To understand that a program is a set of commands a cor To build a sequence of commands in steps To combine commands in a program	•	program using Scratch Jr. (Tachildren's outcome) Children to start by becoming programming environment. characters on-screen using of Bee-Bots used in the previous Children to follow given algo Look into how some blocks if and how to change these vachanging a value.	t up to creating a 'space race' rocket ake photos and videos as evidence of the ag accustomed to the ScratchJr Children to discover that they can move commands, and compare ScratchJr to the us unit. Orithms to create simple programs. In ScratchJr have numbers underneath them lues. Then identify the effect on a block of the are effective when their programs are run
	Application of Key Skills	F	Possible evidence	
	To choose a command for a given purpose To choose a series of words that can be enacted as a program to choose a series of commands that can be run as a program on a device		' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	

Year: 1/2 Subject: Computing PoS: Information Technology	Topic Question/Title: Doodles & Designs		Term - Summer 2	Curriculum - B
<u>Prior Knowledge</u> All children have completed a unit this year in Spring 2 all about 'pho	tography.' They have looked at what makes a good photo.	Key Vocabulary		Outcome Display of Artwork
Future Learning		Stimulus Artist- Wassily Kandi First hand experience	·	World of Work Artist, Designer
 National Curriculum PoS To understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions To create and debug simple programs To use logical reasoning to predict the behaviour of simple 	To explain what different freehand tools do To recognise computers can be used to create art To recognise a tool can be adjusted to suit my need To decide when it's appropriate to use each tool To consider impact of choices made To compare painting using a computer with painting using	g brushes	Possible evidence	
programs	Application of Key Skills To create a picture using freehand tools To use shape and line tools when precision is needed To use a range of paint colours To use the fill tool to colour an enclosed area To use the undo button to correct a mistake To combine a range of tools to create a piece of artwork		Possible evidence	