

R•E•A•L Opportunities (How we will learn)

During their time at Stanley Road children will:

Entitlements

Continue to the design, layout and content of the school website.

Have access to new and emerging technologies.

Compare and contrast hardware and software across at least two operating systems (Windows and iOS), continually analysing and evaluating the rival merits in each year.

Become aware of dangers online and develop safe ways to communicate and learn using the internet.

	ART & DESIGN: Integral to the art	DANCE: The internet is an endless	HISTORY: Digital recording and	GEOGRAPHY: Data handling and
	1 using digital technology	sessions should be grounded in	presenting findings clearly and to	used from the very early stages to
60	(photography, video, sound	musical and visual stimulus.	back up arguments and opinions.	record, analyse and evaluate data.
nin	recording) as part of the artistic	allowing children to access dances	Internet searching and online	Children should develop the
eari	process.	across all cultures and traditions. In	resources are valuable, but also, in	internet as a resource but evaluate
r Le	2 making digital art (video.	addition. recording dance for	contrasting more than one source.	its reliability. The internet is the
ula	installation, sound sculpture.	evaluation purposes and designing	an important message may be	prime place to gain perspectives on
ric	graphics, photography)	slideshows as part of combined	learned about the reliability of	distant locations and supervised. e-
Cur	3 Using the internet as a limitless	arts show are great opportunities.	online information and how much	safe email exchanges around the
SS-((but supervised) virtual art gallery.		we trust websites.	world should be developed.
C	(,,,,,,			
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	LANGUAGES: We will use German	MATHEMATICS: There should be	MUSIC: From the very beginning	PHILOSOPHY: Computing presents
	language software and programs to	shared skill development in:	children should be recording their	questions about: how do we tell
	underpin language learning, but	1 breaking down problems into	own voice. As the music curriculum	technology from magic? Can a
	also the internet is a great	logical steps	progresses children must record,	computer feel? If I found out I was
	(supervised) resource for looking at	2 Writing logical algorithms	manipulate, edit layer, mix and	a robot would it change how I feel?
	labels, graphics, design, packaging,	3 troubleshooting poor logic	improve recorded singing and	How do we know life is not a
	images etc. from German culture,	In addition children should use	instruments, learning about file	simulation? Have computers
	to contrast with our own.	computers to store, handle and	formats, conversions, downloading	improved human life? Is this a
		analyse data, making graphs and	and the risks/legality of these	logical sentence? Does being on
		using spreadsheets to calculate	activities.	the internet make it true?
		variables.		
	PHYSICAL EDUCATION: Children	RE: The internet is a great source	SCIENCE: Certain applications such	SMSC: The ethics of online
	should be using spreadsheets,	for religious source materials, holy	as data loggers lend themselves to	communication and the perils of
	databases, video and still	texts and stories but also children	science. Children should use	data sharing must run right
	photography to evaluate, analyse	should be recording their ideas,	spreadsheets to log data, statistics	through the computing curriculum
	and improve performance (a	beliefs and opinions digitally, using	and findings, applying maths and	and e-safety is represented by the
	spreadsheet which gives you your	computers to handle data and	science to computing. In addition	"to respect" strand. In addition, the
	mean race time?). They should also	express learning creatively.	the concepts of computer science	SMSC "to respect people" and "to
	use internet archives to learn about		should be taught: logic, abstraction	take responsibility" will underpin
	sporting heroes and study the		and representation.	the teaching of e-safety.
	technique of athletes.			

R•E•A•L Objectives (What we will learn to do)

Children should learn:

to communicate	to select	to respect	to troubleshoot	to design
using	using	analysing evaluating	analysing evaluating	creating
Children express, record and	Children are taught to use and	Children become aware of the	Children ensure the successful	Children use digital media to
exchange ideas with clarity	select the most appropriate	social and emotional impact of	working of algorithms, systems	express themselves for a
using the basic principles of	approach, app, software,	technology and learn to use it	and projects by debugging,	variety of purposes towards a
document storage,	hardware, device or system	safely and responsibly,	evaluating processes and	range of ambitious goals.
presentation software and	applying the skills taught and	respecting the risks to	suggesting improvements.	
digital devices, safely and	working protectively in online	themselves and others.		
appropriately communicating	contexts.			
at a local, national and global				
level through linked networks.				

R•E•A•L Outcomes (What will learning look like?)

The Depth & Breadth Assessment Model: Points System

Phase 1							Phase 2					Phase 3					
	Year 1	L		Year 1	1	Year 3			`	Year 4		Year 5		5	Year 6		
Surface Learning		Enhanced Learning		Deep Learning		Surface Enhance Learning Lea		Enha Lear	anced ming	ed Deep Ing Learning		Surface Learning		Enhanced Learning		Deep Learning	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		3+			6+		-	9+			12+		-	15 ⁺		-	18+

We are assessing not just the amount that children learn, but the **depth** and **breadth** of their learning. We monitor how well a child understands a concept and how useful that learning becomes. Progress in the D&B model widen from shallow, surface-level learning, to an enhanced understanding then beyond, into deep, thoughtful ownership. Extremely deep and rich learning within a year group is recorded as *n*+ signifying mastery of the subject.

We chart children's understanding on this continuum, giving them a numerical score, based on averages. This is their attainment. The difference in *attainment* from one assessment to the next is their *progress*. The combination of both in a broad picture is their *achievement*.

with support and modelling	with modelling	independently	mastery (<i>n</i> +)
Children attempt and complete learning after	Children attempt and complete learning after	Children attempt and complete work confidently	Children's knowledge and understanding of the
concepts and skills are clearly demonstrated. They	concepts and skills are clearly demonstrated. They	and independently, in collaboration or alone. They	subject is so deep and thorough that they have
make mistakes, are assisted and use consistent	work collaboratively or unaided, needing	are largely unaided with minimum scaffolding and	required personalised extension and enrichment
and continuing feedback to improve during the	formative feedback, demonstrating maturing skills	are demonstrating embedded skills and concepts.	from the class teacher. Their work shows unusual
process.	and concepts.		insight, broad applications and great creativity.

	Depth of Learning			Stage of Teaching		Breadth of Learning							
						to communicate to select to respect		to respect	to troubleshoot	to design			
					using	using	analysing evaluating	analysing evaluating	creating				
DN		1	Learning	Aut		To communicate: With support and modelling I can write and draw at a basic level using a limited range of presentation software. [Ward, PowerPoint and Publisher (or equivalents), Dazle, Zsimple suite, (or equivalents).] To communicate: With support and modelling I can record and play back my voice.	To select: With support and modelling I can click, double click, tap and swipe to open and close software and files. To select: With support and modelling I can choose software or hardware for a purpose from a limited range.	To respect: With support and modelling I can acknowledge that the internet is a public place and can sort between online and offline toys and devices. To respect: With support and modelling I treat technology with respect, showing awareness that they can be damaged and have high material value.	To troubleshoot: With support and modelling I understand algorithms as "unambiguous instructions". To troubleshoot: With support and modelling I know that programs execute by following precise and unambiguous instructions.	To design: With support and modelling I can change the size, font and colour of text in presentation software, and change colour and tools in art & design software. [Ward, PowerPoint and Publisher (or equivalents). Dazzle. Zsimple suite. (or equivalents.).] To design: With support and modelling I can use technology and the internet safely for artistic and creative inspiration.			
IPUTI		2	Surface	Spr	Year 1	To communicate: With modelling I can open and use to write and draw a limited range of presentation software. To communicate: With modelling I can record and play back my voice.	To select: With modelling I can click, double click, tap and swipe to open and close software and files, saving my work. To select: With modelling I can choose software or hardware for a purpose from a limited range.	To respect: With modelling I can acknowledge that the internet is a public place and can sort between online and offline toys and devices, making predictions about the likelihood of internet capability. To respect: With modelling I treat technology with respect, showing awareness that they can be damaged and have high material value.	To troubleshoot: With modelling I understand algorithms as "unambiguous instructions". To troubleshoot: With modelling I know that programs execute by following precise and unambiguous instructions.	To design: With modelling I can change the size, font and colour of text in presentation software, and change colour and tools in art & design software. To design: With modelling I can use technology and the internet safely for artistic and creative inspiration.			
◆ CON		3	d Learning	Sum		To communicate: I can independently write and draw at a basic level using a limited range of presentation software, including adding pictures and clip art. To communicate: I can independently record and play back my voice.	To select: I independently click, double click, tap and swipe to open and close software and files, saving my work. To select: I can choose software or hardware for a purpose from a limited range. [Word processing, presentation, controllable toys, art & design software, still & movie camera].	To respect: I understand that the internet is a public place and that this is a risk, and sort between online and offline toys and devices, making predictions about the likelihood of internet capability. To respect: I habitually treat technology with respect, showing awareness that they can be damaged and storing them safely and appropriately.	To troubleshoot: I understand what algorithms are and apply this in simple programming, correcting incorrect logic and false steps (e.g. beebots). To troubleshoot: I confidently show that programs execute by following precise and unambiguous instructions. [I consciously give false instructions to demonstrate the principle].	To design: I can change the size, font and colour of text in presentation software, and change colour and tools in art & design software. To design: I can use technology and the internet safely for artistic and creative inspiration.			
о Е Т	•	4	Enhance	Aut		To communicate: With support and modelling I can write and draw at greater length, using a wider range of presentation software, exploring both Windows and IOS devices and apps. To communicate: With support and modelling I communicate my ideas and experiences using simple photography, audio and video software.	To select: With support and modelling I can suggest what kind of software, device or app I might be suitable for a task. To select: With support and modelling I can choose the right applications and tools within media software (take photos, retrieve images, press record and stop etc.) to record simply.	To respect: With support and modelling I am aware of and discuss the potential to share personal information online. To respect: With support and modelling I can offer offline and online constructive criticism, choosing my words carefully. [emailing appropriately, blog responses, reviews and message boards]	To troubleshoot: With support and modelling I can debug simple real world processes, sequences and instructions (e.g. eleaning my teeth, making a sandwich). To troubleshoot: With support and modelling I can evaluate my digital work using language related to digital processes. ("The LEGD animation ended to soon, I needed to film for 5 more seconds").	To design: With support and modelling I can develop simple creative projects (short films, animations, music recordings) which rely on digital media. To design: With support and modelling I use digital programming reach a goal [e.g. program a character (sprite) to move with intent or guide a beebot through a maze.] To design:			
PHA		5	arning	Spr	Year 2	To communicate: With modelling I can write and draw at greater length (paragraph), using a wider range of presentation software, exploring both Windows and IOS devices and apps. To communicate: With modelling I record and communicate my ideas and experiences using simple photography, audio and video software.	To select: With modelling I can say which software or app I intend to use for a task, giving reasons why. To select: With modelling I can choose the right applications and tools within media software (take photos, retrieve images, press record and stop etc.) to record simply.	To respect: With modelling I am aware of and discuss the potential to share personal information online, suggesting possible responses to this. [Talk to mum and dad. refar to teacher. repart abuse button.] To respect: With modelling I can offer offline and online constructive criticism, choosing my words carefully. [emailing appropriately, blog responses. reviews and message baards]	To troubleshoot: With modelling I can debug simple programs, seeing them as simple algorithms, processes, sequences and instructions (e.g. Kodable on the i-pad, Daisy Dino). To troubleshoot: With modelling I can evaluate my digital work, suggesting improvements or refinements using language related to digital processes.	To design: With modelling I can develop simple creative projects (short films, animations, music recordings) which rely on digital media. To design: With modelling I use digital programming reach a goal.			
		6	Deep Le	Sum		To communicate: can write and draw at greater length (paragraph), using a wider range of presentation software, exploring both Windows and IOS devices and apps, naming documents. To communicate: I record and communicate my ideas and experiences using simple photography, audio and video software.	To select: I can confidently say which software or app I intend to use for a task, giving reasons why. To select: I can choose the right applications and tools within media software (take photos, retrieve images, press record and stop etc.) to record simply and reliably.	To respect: I independently recognise and report invitations to share personal information online, seeking guidance at home and in school. [Talk to mum and dad, refer to teacher. report abuse] To respect: I can independently offer offline and online constructive criticism, choosing my words carefully. [emailing appropriately, blog responses, reviews and message boards]	To troubleshoot: I independently attempt to can debug simple programs, seeing them as algorithms, processes, sequences and instructions (e.g. Kodable on the i-pad, Daisy Dino). To troubleshoot: I independently evaluate my digital work and that of others, suggesting improvements or refinements using language related to digital processes.	To design: In unaided collaboration I can develop simple creative projects (short films, animations, presentations music recordings) which rely on digital media. To design: I can independently create instructions which when programmed reach a desired outcome.			

						Breadth of Learning							
	Depth of Learning Stage of			Stage of Te	eaching	to communicate	to select	to respect	to troubleshoot	to design			
					using	using	analysing evaluating	analysing evaluating	creating				
JG		7	Learning	Aut		To communicate: With support and modelling I can create folders in which to store documents, naming the folder. To communicate: With support and modelling I can begin to lay out digital data with intentional clarity, so it is readable. To communicate: With support and modelling I can export media files in suitable formats. (jpeg, mpg, mp3 &c.)	To select: With support and modelling I collect data simply, taking notes on screen, recording sounds and pictures, using the internet safely, copying text and images and entering basic data into simple spreadsheets. To select: With support and modelling I can insert already available sound and video clips into presentation software.	To respect: With support and modelling I navigate websites and apps internally, with minimum supervision, only leaving the domain with permission. To respect: With support and modelling I type search terms and URL's carefully, avoiding mistakes and reading the returned results thoroughly.	To troubleshoot: With support and modelling I can use logical reasoning to set up and improve simple data systems, retrieving data and naming and renaming it appropriately. To troubleshoot: With support and modelling I can offer single units of specific technical offer feedback on digital elements of my own and others practice, to effect improvement.	To design: With support and modelling I can design & write simple programs to achieve specific goals, including solving problems. To design: With support and modelling I can use digital technology to express myself in other subjects, recording or expressing my learning, particularly in cross-curricular art, music, dance etc.			
IPUTIN		8	Surface	Spr	Year 3	To communicate: With modelling I can create folders in which to store documents, naming the folder and retrieving the document. To communicate: With modelling I can begin to lay out digital data with intentional clarity, so it is readable. To communicate: With modelling I can export media files in suitable formats. (jpeg, mpeg, mp3 &c.)	To select: With modelling I collect data simply, taking notes on screen, recording sounds and pictures, using the internet safely, copying text and images and entering basic data into simple spreadsheets. To select: With modelling I can insert already available sound and video clips into presentation software.	To respect: With modelling I navigate websites and apps internally, with minimum supervision, only leaving the domain with permission, and articulating the risks of unsupervised navigation. To respect: With modelling I type search terms and URL's carefully, avoiding mistakes and reading the returned results thoroughly.	To troubleshoot: With modelling I can use logical reasoning to set up and improve simple data systems, retrieving data and naming it appropriately. To troubleshoot: With modelling I can offer single units of specific technical feedback on digital elements of my own and others practice, using more complex computing language to effect improvement.	To design: With modelling I can design & write simple programs to achieve specific goals, including solving problems. To design: With modelling I can use digital technology to express myself in other subjects, recording or expressing my learning, particularly in cross- curricular art, music, dance etc.			
◆ CON		9	Learning	Sum		To communicate: I independently create and name folders in which to store documents, naming the file and retrieving the document. To communicate: I begin to independently lay out digital data with intentional clarity, so it is readable. To communicate: I independently export media files in suitable formats. (jpeg, mpeg, mp3 &c.)	To select: With support and modelling I collect data simply, taking notes on screen, recording sounds and pictures, using the internet safely, copying text and images and entering basic data into simple spreadsheets. To select: With modelling I can insert already available sound and video clips into presentation software.	To respect: independently I navigate websites and apps internally, with minimum supervision, only leaving the domain with permission, articulating the risks of unsupervised navigation. To respect: I type search terms and URL's with habitual care, avoiding mistakes and reading the returned results thoroughly. *CL: money and finance – pop ups and competitions.	To troubleshoot: I can independently use logical reasoning to set up and improve simple data systems, retrieving data and naming it appropriately. To troubleshoot: I can offer single units of specific technical feedback on digital elements of my own and others practice, using more complex computing language to effect improvement.	To design: I can design & write simple programs to achieve specific goals, including solving problems. To design: I can use digital technology to express myself in other subjects, recording or expressing my learning, particularly in cross-curricular art, music, dance etc.			
► E		10	Enhanced	Aut		To communicate: With support and modelling I can create sub-folders in which to store documents, naming the sub-folder. To communicate: With support and modelling I can lay out text, pictures and numbers simply, using tables and charts so it is eye-catching, clear and readable. To communicate: With support and modelling I can convert file formats.	To select: With support and modelling I can begin to edit sound and vision, cutting, pasting and trimming to work towards a finished product. To select: With support and modelling I can make an informed choice about how to present data, as plain text, mixed media, a spreadsheet or a media presentation. To select: With support and modelling I can hyperlink to a webpage.	To respect: With support and modelling I can articulate the hazards of internet search engines and ensure that safety settings are switched on. To respect: With support and modelling I can begin to discuss the trustworthiness of different kinds of websites and apps, comparing information from more than one source.	To troubleshoot: With support and modelling I can use logical reasoning to set up, improve and repair more complex data storage systems, with 3+ levels of reference. To troubleshoot: With support and modelling I can offer feedback on digital processes over a range (2+) of criteria [file systems, layoutand presentation, keyboard use, internet search, writing code, etc.]	To design: With support and modelling I can plan, design & write more complex programs to achieve specific goals, including synthesising systems (making a toy work,). To design: With support and modelling plan computing problems as a series of logical steps. To design: With support and modelling I can begin to combine digital media simply for creative purposes.			
PHAS		11	o Learning	Spr	Year 4	To communicate: With modelling I can create sub-folders in which to store documents, naming the sub-folder and sorting the documents. To communicate: With support and modelling I can lay out text, pictures and numbers simply, using tables and charts so it is eye-catching, clear and readable. To communicate: With modelling I can convert file formats.	To select: With modelling I can begin to edit sound and vision, cutting, pasting and trimming to work towards a finished product. To select: With modelling I can make an informed choice about how to present data (see above) using software-specific applications to justify my choice. To select: With modelling I can independently hyperlink to a webpage.	To respect: With modelling I can articulate the hazards of internet search engines and ensure that safety settings are switched on. To respect: With modelling I can begin to discuss the trustworthiness of different kinds of websites and apps, comparing information from more than one source & discussing the difference between different kinds of online information.	To troubleshoot: With modelling I can use logical reasoning to set up and improve more complex data storage systems 3+ levels, labelling clearly and logically, [pupil share uv?fR87/Hawah's burkt Hawh's Draft Writing/Hawah's Letters/] To troubleshoot: I can offer feedback on digital processes over a range (2+) of criteria. To troubleshoot: to analyse and evaluate uses of information technology beyond school; to understand and describe computer networks including the internet; how they can provide opportunities for communication and collaboration.	To design: With modelling I can plan, design & write more complex programs to achieve specific goals, including synthesising systems. To design: With modelling I plan computing problems in a series of logical steps. To design: With modelling I can begin to combine digital media simply for creative purposes.			
		12	Deep	Sum		To communicate: With support and modelling I can create sub-folders in which to store documents, naming the sub-folder and sorting the documents. To communicate: I independently lay out text, pictures and numbers simply, using tables and charts so it is eye-catching, clear and readable. To communicate: I convert file formats.	To select: I independently edit sound and vision at a basic level, cutting, pasting and trimming to work towards a finished product. To select: I independently make informed choices about how to best present data. To select: I can independently hyperlink to a webpage.	To respect: I can articulate the hazards of internet search engines and ensure that safety settings are switched on. To respect: I independently compare information from more than one source and analyse different kinds of online information. *CL: manners and politeness - should online behaviour reflect real behaviour? Chatrooms/gaming?	To troubleshoot: I use logical reasoning to develop and repair more complex data systems, showing understanding that when systems are shared, labelling and storage must be clear & organised. To troubleshoot: I can offer feedback on digital processes over a range (3+) of criteria.	To design: I independently plan, design & write more complex programs to achieve specific goals, including solving problems. To design: I plan computing problems in a series of logical steps. To design: I can begin to independently combine digital media simply for creative purposes.			

						Breadth of Learning							
		Depth of Learr	ning	Stage of Teaching		to communicate	to select	to respect	to troubleshoot	to design			
						using	using	analysing evaluating	analysing evaluating	creating			
ING		13	Learning	Aut		To communicate: With support and modelling I can write and appropriate online content. [Webpage, blog. etc.] To communicate: With support and modelling I can communicate over the internet [email, Skype, live message. Bc] To communicate: With support and modelling I can present illustrated findings, data and ideas and to a high level, using my preferred presentation software.	To select: With support and modelling I can select a variable to increase programming possibilities. To select: With support and modelling I can recognise when I need to use a variable to achieve a required output. To select: With support and modelling I can use 'if' and 'then' commands to select an action. To select: With support and modelling I can write a simple spreadsheet formula.	To respect: With support and modelling I actively protect my password and other personal information. To respect: With support and modelling I report online concerns to an adult. To respect: With support and modelling I begin to explore online visibility its permanence and potential harm. To respect: With support and modelling I explore respectful online responses, incl." trolling" & sharing information.	To troubleshoot: With support and modelling I can refine a procedure using repeat commands to improve a program. To troubleshoot: With support and modelling I can use logical reasoning to detect and debug mistakes in a program, hyperlink or formula. To troubleshoot: With support and modelling I begin to use logical reasoning to correct errors in algorithms & programs.	To design: With support and modelling I begin to use logical thinking, imagination & creativity to vary and extend a program. To design: With support and modelling I can continue to combine digital media and non-digital media to develop increasingly mature multimedia works.			
OMPUT		14	Surface	Spr	Year 5	To communicate: With modelling I can write safe and appropriate published online content. To communicate: With modelling I can communicate over the internet using email, Skype, live messaging etc. To communicate: With modelling I can present illustrated findings, data and ideas and to a high level, using my preferred presentation software.	To select: With modelling I can select a variable to increase programming possibilities. To select: With modelling I can recognise when I need to use a variable to achieve a required output. To select: With modelling I can use 'if' and 'then' commands to select an action. To select: With modelling I can write a simple spreadsheet formula.	To respect: With modelling I actively protect my password and other personal information. To respect: With modelling I report online concerns to an adult. To respect: With modelling I begin to explore my online visibility, its permanence and potential harm. To respect: With modelling I explore respectful online responses, incl. "trolling" & sharing information.	To troubleshoot: With modelling I can refine a procedure using repeat commands to improve a program. To troubleshoot: With modelling I can use logical reasoning to detect and debug mistakes in a program, hyperlink or formula. To troubleshoot: With modelling I can use logical reasoning to correct errors in algorithms & programs.	To design: With modelling I begin to use logical thinking, imagination & creativity to vary and extend a program. To design: With modelling I can continue to combine digital media with other digital media and with and non- digital media to develop increasingly mature multimedia works. [e.g. a rolling slideshow of analogue artwork, with a musical soundtrack and commentary].			
Ŭ ◆	1	15	Learning	Sum		To communicate: I can write safe and appropriate published online content. To communicate: I can communicate over the internet using email, Skype, live messaging etc. To communicate: I can present illustrated findings, data and ideas accurately and to a high level, using my preferred presentation software.	To select: I can select a variable to increase programming possibilities. To select: I can recognise when I need to use a variable to achieve a required output. To select: I can use 'if' and 'then' commands to select an action. To select: I can independently write a simple spreadsheet formula.	To respect: I actively protect my password and other personal information. To respect: I report online concerns to an adult & explore what these might be. To respect: I begin to explore online visibility, its permanence & implications. I explore respectful online responses, incl. "trolling" & sharing information. WHU: What if I see something read something that upsets me? How to report abuse,	To troubleshoot: I can refine a procedure using repeat commands to improve a program. To troubleshoot: can use logical reasoning to detect and debug mistakes in a program, hyperlink or formula. To troubleshoot: I independently use logical reasoning to correct errors in algorithms and programs.	To design: With support and modelling I begin to use logical thinking, imagination & creativity to vary and extend a program. To design: I independently continue to combine digital media with other digital media and with and non-digital media to develop increasingly mature multimedia works.			
∆SE 3	1	16	Enhanced	Aut		To communicate: With support and modelling I can present illustrated findings, data and ideas accurately and to a high level, using a combination of my preferred presentation software. To communicate: With support and modelling I can explain and program each of the steps in my algorithm.	To select: With support and modelling I can recognise when I need to use a variable to achieve a required output. To select: With support and modelling I can select a variable and operators to stop a program. To select: With support and modelling I can select different inputs (including sensors) to control a device or onscreen action and predict what will happen.	To respect: With support and modelling I know which resources on the internet I can download and use safely & legally. To respect: With support and modelling I can explore the vulnerability of my computer & take simple precautions. To respect: With support and modelling I analyse and evaluate types of online behaviour.	To troubleshoot: With support and modelling I can deconstruct a problem into smaller steps, recognising similarities to previous solutions. To troubleshoot: With support and modelling I can evaluate the effectiveness and efficiency of my algorithm or program whilst continually testing.	To design: With support and modelling I plan, design and present sophisticated multimedia presentations carefully integrating digital content (e.g. a film with credits, soundtrack and fluid editing). To design: With support and modelling I engage creatively with programming confidently extending simple programs creatively.			
PHP	1	17	arning	Spr	Year 6	To communicate: With modelling I can present illustrated findings, data and ideas accurately and to a high level, using a combination of my preferred presentation software. To communicate: With modelling I can explain and program each of the steps in my algorithm.	To select: With modelling I select a variable to achieve a required output. To select: With modelling I select a variable & operators to stop a program. To select: With modelling I select different inputs (including sensors) to control a device or onscreen action and predict what will happen.	To respect: With modelling I know which resources on the internet I can download and use safely & legally. To respect: With support and modelling I can discuss the vulnerability of my computer & take simple precautions. To respect: With modelling I analyse and evaluate types of online behaviour.	To troubleshoot: With modelling I can deconstruct a problem into smaller steps, recognising similarities to previous solutions. To troubleshoot: With modelling I can evaluate the effectiveness and efficiency of my algorithm or program whilst continually testing.	To design: With modelling I plan, design and present sophisticated multimedia presentations carefully integrating digital content (e.g. a film with credits, soundtrack and fluid editing). To design: With modelling I engage creatively with programming confidently extending programs.			
	1	18	Deep Lé	Sum		To communicate: I can present illustrated findings, data and ideas accurately and to a high level, using a combination of my preferred presentation software. To communicate: I can explain and program each of the steps in my algorithm.	To select: I can select a variable to achieve a required output. To select: I can select a variable and operators to stop a program. To select: I can select different inputs (including sensors) to control a device or onscreen action and predict what will happen.	To respect: I know which resources on the internet I can download and use safely & legally and can discuss the law. To respect: With I can discuss device safety: (viruses, malware, spyware etc.) and take precautions against infection. To respect: With I analyse and evaluate types of online behaviour as safe, unsafe, respectful and disrespectful in an informed way, building good habits.	To troubleshoot: With modelling I can deconstruct a problem into smaller steps, recognising similarities to previous solutions. To troubleshoot: With modelling I can evaluate the effectiveness and efficiency of my algorithm or program whilst continually testing and improving.	 Io design: 1 plan, design and present sophisticated multimedia presentations carefully integrating digital content (e.g. a film with credits, soundtrack and fluid editing). To design: I independently engage creatively with programming confidently extending and developing programs. 			