Computing at



Updated December 2020

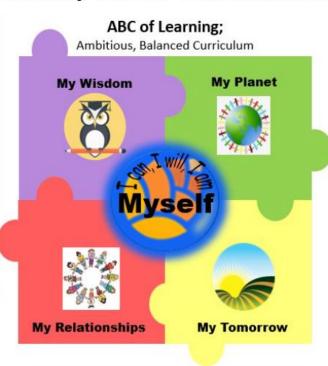
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Firs Curriculum Intent

Firs Primary School Curriculum Intent

- Applying our knowledge to solve problems in new contexts.
- Recognising bias or fairness in what we read, hear and see and knowing when to trust information.
- Debating respectfully when we disagree with others, using evidence to support our ideas.
- Showing empathy, care, concern and tolerance towards all others.
- Understanding how to have healthy and happy relationships.
- Working with others to achieve a common goal.

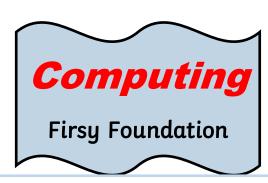


- Keeping myself safe and healthy, looking after my mind and body.
- Being happy with who I am, recognising my achievements and what makes me special.
- Taking responsibility for my actions and for my future.

- Caring for our environment in school, locally and in the wider world.
- Understanding current affairs and global events and our part in these.
- Seeing ourselves as part of a global community.

- Aspiring to meet our full potential, understanding our strengths and meeting challenges with confidence and resilience.
- Developing the skills we need to be successful and independent adults.





Updated: January 2021

The National Curriculum ensures all pupils:

Intent

can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data

can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems

can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems § are responsible, competent, confident and creative users of information and communication technology.

We aim for all pupils to understand how technology can enhance life and can be used in the wider world, including enabling children to understand careers in ICT. We ensure that children are exposed to a range of technology, that they may or may not be at home and that they understand how to use this safely and responsible. We aim to develop digitally responsible members of society.

<u>Progressive Curriculum</u>

We follow the National Curriculum which ensures that the learning is progressive between key stage 1 and key stage 2. We have also planned our curriculum in more detail and separated the National Curriculum in to 4 areas: Technology in our Lives, Programming, E-Safety and Multi-Media/Handing Data. Within each of these areas, clear objectives have been planned out that sets age-related expectations for each year group.

Vocabulary

To meet the needs of our pupils, we plan the vocabulary that we expect pupils to understand and be able to use in context, during the unit of teaching. This vocabulary is put in to three different areas: tier 1, tier 2 and tier 3.

Sequence of Learning
The National Curriculum and our progression document is progressive and therefore prepares children successfully for their next phase in education. The <mark>EYFS framework ha</mark>s been m<mark>apped to the KS1 objecti</mark>ves to en<mark>able staff to be a</mark>ware of what a child at GLD (Good Level of Development) should be at the beginning of their KS1 learning.

Revisiting Core Skills

The topic booklets outline what 'Forever Firs Pupils at Age Expected' should already be able to achieve, enabling teachers to target questions to assess <mark>retention. These skills then may be</mark> retaught/readdressed at the beginning of the unit.

Opportun<mark>ities for revisiting elements of com</mark>puting, s<mark>uch as 'Technolo</mark>gy in o<mark>ur Lives' can be</mark> provided through other curriculum subjects such as researching <mark>an event in history or 'Multi-Medi</mark>a' can be revisited to test for retention when making a presentation on a famous person is History. **Timetabling**

It is not set how often Computing is taught each week. Teachers may choose to block teach computing (for example if they are doing a project) or <mark>do a se</mark>ssion a w<mark>eek. Due to technology constra</mark>ints, some computing sessions may be taught in the morning and others in the afternoon. Computing sessions may also be supplemented with computing across the curriculum. Where possible curriculum is linked to the topic but it may also be taught discreetly.

Staff Knowledge

For each objective, staff have been given guidelines and ideas of how they may teach the subject. Expectations of what needs to be taught is also <mark>clearly outli</mark>ned in t<mark>he topic booklets which staf</mark>f have to <mark>hand in advance</mark> of teaching a unit of work. This enables staff to do any self-study or seek for support from members of the STEM team for CPD.

Adapt and Tailor for Different Starting Points. SEND and Disadvantaged

Due to the flexibility within the computing curriculum, children from many different starting points will be able to access the same lesson. They may require additional support from their peers, and this may be used as a way of developing the mastery vocabulary in high attaining pupils.

All children (unless stated on their IPM/MEP) will take place in whole class learning for computing and be exposed to age-related objectives. To <mark>sup</mark>port children, they may work as part of a group or in <mark>partners or have adult s</mark>upport.

Recording Learning

Lea<mark>rning is either recorded in the topic books, in the w</mark>hole class topic <mark>boo</mark>k or on the netbooks. AFL is carried out within the lesson to inform future planning.

Impact

Work scrutinies (topic books, whole class books, digital work), lesson walk throughs and data analysis of the topic books.

Retention

Pupil voice, opportunities to write or share with others what they have learnt (such as parental engagement opportunities)

Curriculum Design

The curriculum at Firs runs on a two year cycle, due to mixed year groups in the juniors. As the National Curriculum for Computing is split into key stages, some objectives may be revisited and extended more than others, depending on the depth of the objective.

Using the National Curriculum objectives, the computing curriculum at Firs is split into five main areas: E-Safety, Technology in our Live, Handling Data, Multimedia and Programming. Within each of these National Curriculum objectives, progressive statements have been developed for each individual year group/key stage to outline the skills and knowledge that the children must be taught. Teachers will then use these objectives to plan a series of progressive lessons which allow children to meet the ag related objectives. The lessons that the teacher plans may link in with the current topic or computing may be taught as a discreet subject.

Within the lesson, due to mixed year groups, the two progressive objectives may be used as a way to differentiate and challenge.

SEND and Higher Ability

SEND

For all pupils who are on the SEND register at Firs they will have an personalised plan. This will either be a IPM (Individual Provision Map) or MEP (Multi Element Plan). Within the plan the children will have personalised targets are provisions that are put in place to support the child in meeting targets. If the target links to foundation subjects, the provisions maybe techniques that are put in place to include children in whole class learning or interventions that support the children's learning outside of the lesson time. The IPM or MEP may also outline specific resources that the child is required to use (such as an iPad to support learning in other subjects) and therefore may also address computing objectives at the same time.

In computing most SEND children will follow the same lesson structure as others. As computing is mainly a practical subject, there is little emphasis on written work. Where written work or the reading level may not be appropriate for that child, children may work with the support of an adult or in pairs with their peers. This will take into account cognitive overload such as concentrating on phonetic sounds and will allow them to still be exposed to age-realted objective for computing. All SEND children will be exposed to age-related objectives but how they attempt those objectives will differ as the class teacher scaffolds the learning for their needs.

High Attaining Pupils

Stretch and challenge will be evident for the pupils in a variety of different ways:

- ✓ Teacher questionning either during the whole class input or 1:1
- ✓ Expectations of vocabulary used within the lesson
- ✓ Use of the child to support others within their lesson, using the mastery vocabulary of 'Explain it.'

Computing in EYFS

The EYFS framework for "Understanding the World" has been used to create detailed objectives that shows clear progression between EYFS and KS1. Children in EYFS learn in variety of ways and have access to technology during continuous provision as well as in taught inputs.

The EYFS curriculum for E-Safety can be seen in the whole school progression document for the teaching of online safety.

Understanding the World - Technology

Intent	Foundation Stage	Year 1/2
		Pupils should be taught to: 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
Computer Science	 Knows how to operate simple equipment e.g. turns on CD player and uses remote control. Shows an interest in technological toys with knobs or pulleys, or real objects such as cameras or mobile phones. Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images. Uses ICT hardware to interact with ageappropriate computer software. 	For instance: Pupils learn to program a basic floor turtle such as a BeeBot to navigate increasingly complex routes and are able to debug their instructions when the turtle does not reach the intended destination Pupils learn to program an onscreen app such as BeeBot or Kodable to complete a set task and are able to debug their instructions when the turtle does not reach the intended destination
	 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes Children find out about and use a range of everyday technology. 	Pupils use a more complex turtle with standard units to navigate increasingly complex routes, and are able to debug their instructions when the turtle does not reach the intended destination Extension - Pupils learn to use a simple graphical programming language such as Logo, Scratch or Turtle to navigate around the screen
		Extension - Pupils create a 3D environment, using a graphical language such as Kodu. They link this to a story such as an island adventure

$\underline{Implementation}$

- Computing inputs
- IWB access daily
- Computing equipment in provision
- Home learning questionnaire about Technology use at home
- Discussions with parents
- Using the cd player during RWInc to access Environmental sounds
- Using the cd player to listen to stories and songs
- Reading stories on the computer Goldilocks and the 3 Bears, The 3 Little Pigs

Intent	Fo	undation Stage	Year 1/2
			Pupils should be taught to: recognise common uses of information
pan			technology beyond school
contin	•	Uses ICT hardware to interact with age-appropriate computer software.	Pupils learn about some of the uses of the internet
science	•	Knows that information can be retrieved from computers	
Computer Science continued	•	Children recognise that a range of technology is used in places such as homes and schools.	
Con	•	They select and use technology for particular purposes	
	•	Children find out about and use a range of everyday technology.	

Implementation

- Computing inputs
- IWB access daily
- Computing equipment in provision
- Home learning questionnaire about Technology use at home
- Discussions with parents
- Use of the internet to research footprints
- Interactive traditional tales
- Google Earth

Intent	Foundation Stage	Year 1/2
		Pupils should be taught to: use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content on the internet or other online technologies
Digital Literacy	 Uses ICT hardware to interact with age-appropriate computer software. Knows that information can be retrieved from computers Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes Children find out about and use a range of everyday technology. 	 For instance: Pupils learn that the Internet is a great place to develop rewarding online relationships and learn to recognise websites that are good for them to visit; but they also learn to be cautious and to check with a trusted adult before sharing private information Pupils are introduced to the concept that real people send messages to one another on the Internet and learn how messages are sent and received. They recognise that it may be difficult to distinguish between someone who is real and someone who is not Pupils are introduced to the basics of online searching Pupils learn to explore websites and to say whether they like them or not and why

<u>Implementation</u>

- Computing inputs
- IWB access daily
- Computing equipment in provision
- Home learning questionnaire about Technology use at home
- Discussions with parents
- Use of the internet to research footprints
- Interactive traditional tales
- Google Earth

Intent	Foundation Stage	Year 1/2		
		Pupils should be taught to: use technology purposefully to create, organise, store, manipulate and retrieve digital content		
Digital Literacy	 Completes a simple program on a computer/ IPad Uses ICT hardware to interact with age-appropriate computer software. Knows that information can be retrieved from computers Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes Children find out about and use a range of everyday technology. They select appropriate applications that support an identified need – for example in deciding how best to make a record of a special event in their lives, such as a 	 For instance: <u>Digital Publishing:</u> Pupils learn to use basic word processing package and to write and illustrate a short story <u>Presentation:</u> Pupils learn to make simple presentations <u>Graphics:</u> Pupils learn to create a simple digital painting <u>Animations:</u> Pupils learn to make a simple animation for instance in Puppet Pals Media: Pupils learn to use digital cameras and microphones for a purpose <u>Working with data:</u> Pupils learn to create and use a pictogram Modelling: Pupils explore online simulations such as 		
		<u>Modelling:</u> Pupils explore online simulations such as Charlie Chimp		

<u>Implementation</u>

- Computing inputs
- IWB access daily
- Computing equipment in provision
- Home learning questionnaire about Technology use at home
- Discussions with parents
- Use of the internet to research footprints
- Interactive traditional tales
- Google Earth

Our Computing Curriculum

The curriculum below is separated into key stages (KS1, LKS2, UKS2) and then split in to two progressive sections. These sections may be used when planning progression through lessons or through differentiation when planning lessons and determining outcomes for children.

We have used the National Curriculum (2014) objectives, as well as progression guidance from Derby Diocesan Trust to develop a range of progressive objectives in 5 strands: E-Safety (see E-Safety policy); Programming; Multimedia; Handling Data; and Technology in Our Lives.

The success criteria below does not determine how many lessons are required to cover each criteria: multiple criteria may be addressed within one lesson, or one statement may take multiple lessons to teach successfully. Each strand has been planned in to the two-year curriculum cycle at Firs. Every strand will not be covered every year, but every child who goes through their education at Firs will receive teaching in all of the strands by the end of Year 6. However, at any point in the school year, if a class teacher identifies the need for a particular strand to be addressed for individuals or their class, this may be planned in as an additional teaching opportunity.

Computing Overview

The order of the topics below may change, however the computing strand will always be taught with the specified topic.

			Сус	le A			<u>Cycle B</u>					
	Enchanted Woodland	Moon Zoom	Muck Mess and Mixtures	<u>Rio de Vida</u>	Street Detectives	Land Ahoy	Bright Lights Big City	Superheroes	Paws, Claws and Whiskers	Scented Garden	<u>Dinosaurs</u>	Towers, Tunnels and Turrets
Year 1/2	E-Safety (Self Identity Online Reputation Online Relationships Online Bullying)	Programmin g	Technology in Our Lives	Multimedia	Handling Data	No computing taught with this topic	E-Safety (Managing Online Information Health well- being and lifestyle Privacy and Security Copyright and Ownership)	Technology in Our Lives	Multimedia	Programmin g	No computing taught with this topic	Multimedia
	Gods and Mortals	<u>Urban</u> <u>Pioneers</u>	I am Warrior	<u>Predator</u>	<u>Playlist</u>	Tribal Tales	Heroes and Villains	<u>Tremors</u> ,	Traders and Raiders	Burps Bottoms and Bile	<u>Mighty</u> <u>Metals</u>	Blue Abyse
Year 3/4	E-Safety (Self Identity Online Reputation Online Relationships Online Bullying)	No computing taught with this topic	Technology in our lives	Multimedia	Multimedia	Handling data	E-Safety (Managing Online Information Health well- being and lifestyle Privacy and Security Copyright and Ownership)	No computing taught with this topic	Programmin g	Multimedia	Programmin g	Handling Data
	A Child's War	Holal Mexico	Frozen Kingdom	Revolution	Blood Heart	Darwin's Delights	Off With Her Headl	<u>Stargazers</u>	Alchemy Island	<u>Pharaohs</u>	Peasants, Princes and Pestilence	Time Traveller
Year 5/6	E-Safety (Self Identity Online Reputation Online Relationships Online Bullying)	Handling Data	Handling Data	Technology in our lives	No computing taught with this topic	Programmin g	Handling Data	Programmin g	Multimedia	Multimedia	E-Safety (Managing Online Information Health well- being and lifestyle Privacy and Security Copyright and Ownership)	Technology in our lives

	Key Stage 1		Lower Key Stage 2	Upper Key Stage 2		
	National Curriculum		National Curriculum			
	understand what algorithms are; how they are implemented as pr digital devices; and that programs execute by following pr unambiguous instructions § create and debug simple programs § reasoning to predict the behaviour of simple programs. **DDAT Progression** **Pupils learn to program a basic floor turtle such as a BeeBot to navigate complex routes and are able to debug their instructions when the turtle de the intended destination* **Pupils learn to program an onscreen app such as BeeBot or Kodable to de task and are able to debug their instructions when the turtle does no intended destination* **Pupils use a more complex turtle with standard units to navigate increasion*	cise and see logical increasingly so not reach inplete a set t reach the	design, write and debug programs that accomplish specific goals, including control into smaller parts § use sequence, selection, and repetition in programs; work witto explain how some simple algorithms work and to detect and correct errors in a DDAT Progression • Pupils learn to use graphical programming language, such as Scratch or Logo to draw regular 2D shapes. Pupils add loops or procedures to create a repeating pattern • Pupils write a simple algorithm, for instance to create a basic traffic light sequence. They then use flowcharting software (such as Go or Flowgo) to create a simple program to control an onscreen icon	with variables and various forms of input and output §use logical reasoning algorithms and programs DDAT Progression		
Programming	 Explore a range of control toys and devices Explore outcomes when individual buttons are pressed on a robot Follow instructions to move around a course Create a series instructions to move their peers around a course Explore an on screen turtle (or Bee BOT) navigate it around a course on a computer predict what will happen once the next command is entered. Have experiences of controlling other devices, music players, video recording equipment and digital cameras 	day lled lled wake ate to carry route to ance and d actions trolled ns and	 Explain what an algorithm will do by reading the commands. Test my algorithm and recognise when to change it Link their learning of a programmable robot to creating a set list of instructions for a on screen robot (e.g Textease turtle) Use an on screen robot to draw a path Navigate around Scratch (or similar) Create a repeat pattern that instructions motions by specifying the number of steps, direction and turn. Adds speech Make my sprite change colour Control what my sprite does using specified keys. Create a command Use sound Begin to break algorithms and title algorithms and discuss what the algorithms will tell them to do Begin to break algorithms. I know an algorithm is a set of instructions. Create a list of 5 commands which involve movements and looks. Draw using pen up and down linking their knowledge of properties of shapes. Use costumes Use two sprites and two algorithms. Use sound Begin to use sensing to create a command 	Begin to think logically to analyse a simple game and discuss what the different algorithms should instruct. I can predict what will happen when discussing different algorithms, Understand how breaking things down into different events may make it easier to debug, edit and improve. Begin to create a simple game between two sprites Create movements using coordinates and rotations (with degrees) Create drawings using pen shades, directions and angles. Create an animation with speech and sensing between at least 2 characters. Show logical thinking when creating a complicated algorithm, sor algorithms between what will and won't work and explain why by breaking it into smaller parts and explaining why. Test the algorithms to support this. Starting to find more than 1 way to debug and solve a problem. Create a game that uses a range of commands including sensing, movement, variables and IF THEN.		
			Begin to use timings to control movements and speech between characters	Use 'IF' to control objects and create variables Control the sprites movement using the keyboard shows creativity and imagination. Create a story or animation using a range of commands and shows creativity and imagination.		

	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
	National Curriculum use technology purposefully to create, organise, store, manipulate and retrieve	National Curriculum elect, use and combine a variety of software (including internet services) on a rang content that accomplish given goals, including collecting, analysing, evaluating o	ge of digital devices to design and create a range of programs, systems and
	Digital Publishing: Pupils learn to use basic word processing package and to	 DDAT Progression Presentations: Pupils learn to write and deliver a presentation on a given subject Sound and video: Pupils record and edit media to create a short sequence Animations: Pupils learn how to develop a storyboard and then create a simple animation using for instance 'Puppet Pals' or 'Stop Motions' Animation' 	DDAT Progression Presentations: Pupils learn to write and deliver a presentation, incorporating a range of media Animations: Pupils learn how to develop a storyboard and then create a simple animation using for instance Puppet pals' or 'Stop Motions Animation' - this may be extended by editing the final product in using video editing software
Multimedia	clear and error free Select appropriate images Add text to photographs, graphics (images) and sound e.g. captions, labelling and simple sentences through the	 Combine a mixture of text and graphics to share my ideas in a presentation Continue to make appropriate choices about fonts, images, size through peer assessment and self evaluation, evaluate design and make suitable improvements Begin to use more than two fingers to enter text To create a stop frame animation using one drawing To create a stop frame animation using one walking 	 Design in response to a given criteria Create simple hypertinks and buttons in a presentation Insert videos into a presentation Begin to use two hands when typing Evaluate websites and current publications in terms of colour, font, pictures and use this to inform their own work To create a stop frame animation with two objects including movement and speech. Create a presentation using timings, auto play and more complicated hyperlinks Type confidently with two hands Edit their presentation in response to peer feedback and considering the audience Insert text hoxes and use columns to create a more interesting layout To create a stop frame animation with two objects and a hackground/set.

	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2		
	National Curriculum use technology purposefully to create, organise, store, manipulate and retrieve digital content	National Curriculum select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information			
	DDAT Progression Working with data: Pupils learn to create and use a pictogram Output Description:	DDAT Progression Working with data: Pupils learn to search, sort and graph information	DDAT Progression Modelling: Pupils learn how to use a spreadsheet to model data Working with data: Pupils learn to search, sort and graph information		
Handling Data	To navigate around a premade branching database Sort at least 3 pictures using a branching database Sort at least 3 pictures using a branching database	 Use a branch database to answer questions. Make a branch database with at least 4 pictures. Use a datalogger remotely (without a computer). To read the 3 different measurements of a data logger. To create environments? situations where those readings change. Create and use a branching database to organise, reorganise and analyse information. Use a data logger for snap shot reading. To retrieve saved information from a log box information to draw graphs/tables. 	 Choose an appropriate programme to represent information To know what a data lagger can be used for To create an investigation to use the data lagger components to variables in science Understand cells in a spreadsheet to enter formulae for the four operations (+-x/) into a spreadsheet to use 'SUM' to calculate the total of a set of numbers in a range of cells To create a line graph from a table in Excel To change formats of text and borders in Excel 		

	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2			
	National Curriculum recognise common uses of information technology beyond school	National Curiculum 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 § use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content				
	Pupils learn about some of the uses of the internet	DDAT Progression Pupils are introduced to the basics of online searching, including how to use effective keywords. They also learn to conduct searches that provide them with the most helpful and relevant information Pupils learn to collaborate electronically by blogging, mailing and working on shared documents using the pupil sites of the DLG	DDAT Progression Pupils explore issues relating to online searching, including how to use effective keywords, using directories and subject categories, and how to analyse the usefulness and relevancy of the results. They learn to conduct searches that provide them with the most helpful and relevant information Pupils learn to collaborate electronically by blogging -mailing and working on shared documents using the pupil sites of the DLG. This can be extended to working with other schools Pupils learn that connected devices exchange packets of data and this can convey a range of information from a text to a video call Pupils develop skills for evaluating websites, online information and advertising by rating the trustworthiness and usefulness of websites, and learning to identify the different types of online advertising			
Technalagy in Our Lives	 Discuss where they have seen and used technology. Sort pictures of what is and isn't classed as technology and discuss what each one is used for Use given websites to answer questions. Know how technology can be used to send messages (Class-dojo, email etc.) 	 Know how to create a simple search using a search engine. Label and talk about the use of different parts of a computer (laptops and desktops) e.g. mouse, keyboard, screen, power cable. Navigate across websites using the buttons. Know how to choose an appropriate website (age, look author) Label and talk about the parts of a computer and products that enhance it's use (webcam headphones, printers) and know their uses. Navigate across websites using the back, forward, refresh and hyperlinks. Begin to talk about the author of websites an how this effects it's truth. (Also covered in E-Safety) 	internet works including networks and IP addresses Use other sources to			

This policy mentions and works in conjunction with a range of other policies: Child Protection and Safeguarding Policy, Anti-Bullying Policy Mental-Health and Well-being Policy, Computing and PSHE Policy.

Teaching of E-Safety

Our E-Safety curriculum ensures that we are teaching the "knowledge and behaviours that can help pupils to navigate the online world safely and confidently regardless of the device platform or app," (Teaching Online Safety in School, DFE, June 2019). We aim to teach our pupils to have a positive, yet sensible attitude towards the online world by ensuring that they have the "knowledge needed to make the best use of the internet and technology in a safe, considered and respectful way," (Teaching Online Safety in School, DFE, June 2019). We also place a large emphasis on children understanding how they must behave online, not just the behaviour of others.

Meeting the needs of pupils

We also ensure that we tailor out teaching to "support to the specific needs of their pupils," (Teaching Online Safety in School, DFE, June 2019). This links to our Safeguarding Policy, Keeping Children Safe in Education and staff using their knowledge of pupils' background, experiences, ability, culture, language and any safeguarding concerns (including knowing which pupils are more likely to be susceptible to online harm e.g. SEND) when planning and adjusting lessons. Although the objectives below and planned out in to progressive key stage objectives, it is recognised that for some of our pupils it may be appropriate to re-visit objectives from previous key stages. Our I-Vengers (implemented 2020/2021) are also used to support pupils' from a pupil's perspective. In addition to this, our learning mentor and/or outside agencies (such as Safe 'n' Sound) work with identified pupils to target specific needs.

Making our pupils feel safe

During lessons, children are in a safe environment where they are encouraged to show our FIRSY value of 'Respectful.' Children are encouraged to discuss ideas with each other. If children are feeling worried or wish to share anything with a member of staff, the whole school approach applies: put it in the classroom worry box; speak to the class teacher; or speak to a member of the safeguarding team.

Additional Opportunities

As well as teaching our E-Safety curriculum, every year our school takes part in Safer Internet Day and Anti-Bullying week: each class completes a range of activities that are suitable for their age group. We may also have visitors attend school to complete age and ability appropriate workshops such as Konflux Education. https://www.konfluxtheatre.co.uk/topics/internet-safety

In line with our Safeguarding policy we also have external visits from Safe 'n' Sound and the NSPCC, which may also cover aspects of online safety.

 $\frac{https://www.nspcc.org.uk/keeping-children-safe/our-services/working-with-schools/https://www.safeandsoundgroup.org.uk/$

Computing Curriculum Progression Dec 2020

Our E-Safety Curriculum

E-Safety at Firs is primarily taught discreetly for 1 half term every year, with revisiting as required by the needs of the pupils or as issues arise. Our E-Safety curriculum has been designed in line with guidance and other whole school curriculums: National Curriculum; PSHE (SCARF) curriculum; Derby Diocese Academy Curriculum Progression; Teaching Online Safety in School (DFE); and Education for a Connected World (UK Council for Internet Safety).

The curriculum has been designed to cover these strands of E-Safety identified from Teaching Online Safety in School and Education for a Connected World (UK Council for Internet Safety):

- Online Relationships
- Self Identity
- Online Reputation
- Online Bullying
- Managing Online Information
- Health, well-being and lifestyle
- Copyright and ownership

The curriculum below is separated into key stages (KS1, LKS2, UKS2) and then split in to two progressive sections. These sections may be used when planning progression through lessons or through differentiation when planning lessons and determining outcomes for children. The objectives have been taken from the published document, Education for a Connected World (UK Council for Internet Safety).

The success criteria below does not determine how many lessons are required to cover each criteria: multiple criteria may be addressed within one lesson, or one statement may take multiple lessons to teach successfully. Each strand has been planned in to the two-year curriculum cycle at Firs. Every strand will not be covered every year, but every child who goes through their education at Firs will receive teaching in all of the strands by the end of Year 6. However, at any point in the school year, if a class teacher identifies the need for a particular strand to be addressed for individuals or their class, this may be planned in as an additional teaching opportunity.

National Curriculum

KS1 Objective: 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.

KS2 Objective: use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

	[V Ch 1	1 V C+ 2	Harring Change 2
l 	EYFS (4+)	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Self-Identity	I can recognise, online or offline, that anyone can say nor/please stop/ I'll tell/ I'll ask to somebody who makes them feel sad, uncomfortable, embarrassed or upset	I can recognise that there may be people online who could make someone feel sad, embarrassed or upset If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust and how they can help. I can explain how other people may look and act differently online and offline I can give examples of issues online that might make someone feel sad, worried, uncomfortable or frightened; I can give examples of how they might get help.	I can explain what is meant by the term identity I can explain how people can represent themselves in different ways online I can explain ways in which someone might change their identify depending on what they are doing online (e.g. gaming; using an avatar; social media) and why I can explain how my online identity can be different to by offline identity I can describe positive ways for someone to interact with others online and understand how this will positively impact on how others perceive them. I can explain how my online identity can be different to by offline identity. I can explain how my online identity can be different to by offline identity.	I can explain how identity online can be copied, modified or altered. I can demonstrate how to make responsible choices about having an online identity, depending on context. I can demonstrate how to make responsible choices about having an online identity, depending on context. I can demonstrate how to make responsible choices about having an online identity, depending on context. I can dexplain why it is important to challenge and reject inappropriate representations online. I can describe issues online that could make anyone feel sad, worried, uncomfortable or frightened. I know and can give examples of how to get help, both on and offline. I can explain the importance of asking until I get the help needed.
Online Reputation	I can identify ways that I can put information on the internet Additional quidance	I can recognise that information can stay online and could be copied I can describe what information I should not put online without asking a trusted adult first I can explain how information put online about someone can last for a long time I can describe how anyone's online information could be seen by others. I know who to talk to if something has been put online without consent or if it is incorrect.	I can explain how to search for information about others online I can give examples of what anyone may or may not be willing to share about themselves online. I can explain the need to be careful before sharing anything personal I can explain who someone can ask if they are unsure about putting something online I can describe how to find out information about ofthers by searching online I can explain ways that some of the information about anyone online could have been created copied or shared by others.	I can search for information about an individual online and summarise the information found I can describe ways that information about anyone online can be used by others to make judgements about an individual, and why these may be incorrect. I can explain the ways in which anyone can develop a positive online reputation I can explain the ways in which anyone can use to protect their 'digital personality' and online reputation, including degrees of anonymity.
		gov.uk/government/uploads/system/uploads/attachment_data/file/8	1796/Teaching_online_safety_in_school.pdf	

https://assets.publishing.service.gov.uk/government/uplands/system/uplan Schools can help pupils to identify and manage risk by:

• discussing the ways in which someone may put themselves at risk online,

• discussing risks posed by another person's online behaviour,

• discussing when risk taking can be positive and negative,

- discussing "online reputation" and the positive and negative aspects of an online digital footprint. This could include longer-term considerations, i.e how past online behaviours could impact on their future, when applying for a place at university or a job for example, discussing the risks vs the benefits of sharing information online and how to make a judgement about when and how to share and who to share with
 asking questions such as what might happen if I post something online? Who will see it? Who might they send it to?

I can recognise some ways in which they internet can be used to communicate I can give examples of how I (might) use technology to communicate with people I know.	 I can give examples of when I should ask permission to do something online and explain why this is important I can use the internet with adult support to communicate with people I know (e.g. video call apps or services). I can explain why it is important to be considerate and kind to people online and to respect their choices. I can explain why things one persons finds furny or sad online may not always be seen in the same way by others. I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain why I have to ask someone.' I can explain how it make others feel if I d not ask their permissis or ignore their answer before sharing someth about them online. I can explain why I should always ask a 	people have similar likes and interests can get together online. I can explain what it means to 'know someone' online and why this might be different from knowing someone offline. I can explain what is meant by 'trusting someone online,' and why it is important to be careful about who to trust online including what information and content they are trusted with. I can explain why someone may change their mind about trusting anyone with something if they feel nervous, uncomfortable or worted. I can explain how someone's felings can be hurt by what is said or written online. I can explain the importance of giving and gaining permission before sharing online; how the principles of sharing online is the same as sharing offline	 I can give examples of technology specific forms of communication (e.g. emojis, memes and GIFS) I can explain that there are some people I communicate with online who may want to do me or my friends harm. I can recognise that this is not my/our fault. I can describe some of the ways people may be involved in online communities and describe how they might collaborate constructively with others and make positive contributions (e.g. gaming communities or social media groups) I can explain how sharing something online may have an impact either positively or negatively. I can describe how to be kind and show respect for others online including the importance of respecting boundaries regarding what is shared about them online and how to support them if others do not. I can describe how things shared privately online can have unintended consequences for others (e.g. screen grabs).

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/811796/Teaching_online_safety_in_school.pdf
Schools can help pupils to recognise acceptable and unacceptable behaviour by:

- looking at why people behave differently online, for example how anonymity (you do not know me) and invisibility (you cannot see me) affect what people do,
- looking at how online emotions can be intensified resulting in mob mentality,
- teaching techniques (relevant on and offline) to defuse or calm arguments, for example a disagreement with friends, and disengage from unwanted contact or content online,

trusted adult before clicking 'yes' 'agree' or 'accept' online

• considering unacceptable online behaviours often passed off as so-called social norms or just banter. For example, negative language that can be used, and in some cases is often expected, as part of online gaming and the acceptance of misogynistic, homophobic and racist language that would never be tolerated offline.

Additional Guidance

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/811796/Teaching_online_safety_in_school.pdf Schools can help pupils by:

- helping them to identify who trusted adults are,
- looking at the different ways to access support from the school, police, the National Crime Agency's Click CEOP reporting service for children and 3rd sector organisations such as Childline and Internet Watch Foundation. This should link to wider school policies and processes around reporting of safeguarding and child protection incidents and concerns to school staff (see Keeping Children Safe in Education)
- . helping them to understand that various platforms and apps will have ways in which inappropriate contact or content can be reported.

5	I can talk about how to	•	I can give simple	•	I can use simple	•	I can demonstrate how to	•	I can analyse information	•	I can explain the benefits	•	I can explain how
Managing Online Information	use the internet as a way		examples of how to find		keywords in search		use key phrases in search		to make a judgement		and limitations of using		search engines
<u> </u>	of finding information		information using digital		engines.		engines to gather		about probable accuracy		different types of search		work and how
fσ	online.		technologies, e.g. search	•	I can demonstrate how		accurate information		and I understand why it		technologies e.g. voice-		results are selected
l I	 I can identify devices I 		engines, voice activated		to navigate a simple		online.		is important to make my		activation search engine.		and ranked.
, in	could use to access		searching).		webpage to get to	•	I can explain what		own decisions regarding		I can explain how some	•	I can explain how
2	information on the	•	I know / understand that		information I need (e.g.		autocomplete is and how		content and that my		technology can limit the		to use search
ğ	internet.		we can encounter a range		home, forward, back		to choose the best		decisions are respected by		information I aim		technologies
ıgi			of things online including		buttons; links, tabs and		suggestion.		others.		presented with e.g. voice-		effectively.
3			things we like and don't		sections).	•	I can explain how the	•	I can describe how to search for information		activated searching giving one result.	•	I can describe how
Σ			like as well as things which are real or make	•	I can explain what voice		internet can be used to		within a wide group of	_	I can explain what is		some online
			believe / a joke.		activated searching is and how it might be used,	•	sell and buy things.		technologies and make a	•	meant by 'being		information can be opinion and can
		١.	I know how to get help		and know it is not a real	•	I can explain the difference between a		judgement about the		sceptical'; I can give		offer examples.
		•	from a trusted adult if we		person (e.g. Alexa, Google		'belief', an 'opinion' and a		probable accuracy (e.g.		examples of when and	•	I can explain how
			see content that makes us		Now, Siri).		'fact, and can give		social media, image sites,		why it is important to be		and why some
			feel sad, uncomfortable	•	I can explain the		examples of how and		video sites).		'sceptical'.		people may
			worried or frightened.		difference between things		where they might be	•	I can describe some of the	•	I can evaluate digital		present 'opinions'
			, , , , , , , , , , , , , , , , , , , ,		that are imaginary, 'made		shared online, e.g. in		methods used to		content and can explain		as 'facts'; why the
					up' or 'make believe' and		videos, memes, posts,		encourage people to buy		how to make choices		popularity of an
					things that are 'true' or		news stories etc.		things online (e.g.		about what is		opinion or the
					'real'.	•	I can explain that not all		advertising offers; in-app		trustworthy e.g.		personalities of
				•	I can explain why some		opinions shared may be		purchases, pop-ups) and		differentiating between		those promoting it
					information I find online		accepted as true or fair by		can recognise some of		adverts and search		does not
					may not be real or true.		others (e.g. monsters		these when they appear		results.		necessarily make it
							under the bed).		online.	•	I can explain key		true, fair or
						•	I can describe and	•	I can explain why lots of		concepts including:		perhaps even legal.
							demonstrate how we can		people sharing the same		information, reviews, fact,	•	I can define the
							get help from a trusted		opinions or beliefs online do not make those		opinion, belief, validity, reliability and evidence.		terms 'influence', 'manipulation' and
							adult if we see content		opinions or beliefs true.	_	I can identify ways the		'persuasion' and
							that makes us feel sad, uncomfortable worried or		I can explain that	•	internet can draw us to		explain how
							frightened.	•	technology can be		information for different		someone might
							Jrightened.		designed to act like or		agendas, e.g. website		encounter these
									impersonate living things		notifications, pop-ups,		online (e.g.
									(e.g. bots) and describe		targeted ads.		advertising and 'ad
									what the benefits and the	•	I can describe ways of		targeting' and
									risks might be.		identifying when online		targeting for fake
								•	I can explain what is		content has been		news).
									meant by fake news e.g.		commercially sponsored	•	I understand the
									why some people will		or boosted, (e.g. by		concept of
									create stories or alter		commercial companies or		persuasive design
									photographs and put		by vloggers, content		and how it can be
									them online to pretend		creators, influencers).		used to influences
									something is true when it	•	I can explain what is		peoples' choices.
									isn't.		meant by the term	•	I can demonstrate
											'stereotype', how		how to analyse
											'stereotypes' are amplified		and evaluate the
											and reinforced online, and		validity of 'facts'
											why accepting		and information
											'stereotypes' may		and I can explain
											influence how people think about others.		why using these
													strategies are important.
										•	I can describe how fake news may affect	١.	importani. I can explain how
11											news may affect someone's emotions and	•	companies and
											someone's environs and		news providers
L								1					news provided

			behaviour, and explain why this may be harmful. I can explain what is meant by a 'houx'. I can explain why someone would need to think carefully before they share.	target people with online news stories they are more likely to engage with and how to recognise this. I can describe the difference between online misinformation and disinformation. I can explain why information that is on a large number of sites may still be inaccurate or untrue. I can assess how this might happen (e.g. the sharing of misinformation). I can identify, flag and report inappropriate content
--	--	--	--	---

			_		_		_							
9	•	I can identify rules that	•	I can explain rules to keep	•	I can explain simple	•	I can explain why	•	I can explain how using	•	I can describe ways	•	I can describe
l Tr		help keep us safe and		myself safe when using		guidance for using		spending too much time		technology can be a		technology can affect		common systems
and lifestyle		healthy in and beyond		technology both in and		technology in different		using technology can		distraction from other		health and well-being		that regulate age-
d Li		the home when using		beyond the home.		environments and settings		sometimes have a		things, in both a positive		both positively (e.g.		related content
8		technology.		5		e.g. accessing online		negative impact on		and negative way.		mindfulness apps) and		(e.g. PEGI, BBFC,
Б	•	I can give some simple				technologies in public		anyone, e.g. mood, sleep,	•	I can identify times or		negatively.		parental warnings)
, gei		examples of these rules.				places and the home		body, relationships; I can		situations when someone	•	I can describe some		and describe their
well-being						environment.		give some examples of		may need to limit the		strategies, tips or advice		purpose.
8					•	I can say how those rules		both positive and		amount of time they use		to promote health and	•	I recognise and
ح						/ quides can help anyone		negative activities where		technology e.g. I can		wellbeing with regards to		can discuss the
Health,						accessing online		it is easy to spend a lot of		suggest strategies to help		technology.		pressures that
ř						technologies.		time engaged (e.g. doing		with limiting this time.	•	I recognise the benefits		technology can
						3		homework, games, films,		3		and risks of accessing		place on someone
								videos).				information about health		and how / when
							•	I can explain why some				and well-being online		they could manage
								online activities have age				and how we should		this.
								restrictions, why it is				balance this with talking		I can recognise
								important to follow them				to trusted adults and		features of
								and know who I can talk				professionals.		persuasive design
								to if others pressure me to			•	I can explain how and		and how they are
								watch or do something				why some apps and		used to keep users
								online that makes me feel				games may request or		engaged (current
								uncomfortable (e.g. age				take payment for		and future use).
								restricted gaming or web				additional content (e.g.		I can assess and
								sites).				in-app purchases,	-	action different
								,				lootboxes) and explain		strategies to limit
							l					the importance of seeking		the impact of
							l					permission from a trusted		technology on
							l					adult before purchasing.		health (e.g. night-
							İ					and before purchasing.		shift mode, regular
							l							breaks, correct
							İ							posture, sleep, diet
1	1		1				ı		I				I	positive, sieep, ale

and exercise).

Additional Guidance

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/811796/Teaching_online_safety_in_school.pdf
Schools can help pupils to recognise:

- online content which tries to make people believe something false is true and/or mislead (misinformation and disinformation),
 techniques that companies use to persuade people to buy something,
 ways in which games and social media companies try to keep users online longer (persuasive/sticky design)

- criminal activities such as grooming.

_													
a a	I can identify some		I can explain that	•	I can explain how	•	I can describe simple	•	I can describe strategies	•	I can explain what a	•	I can describe
and Security	simple examples of		passwords are used to		passwords can be used to		strategies for creating and		for keeping personal		strong password is and		effective ways
ಶ	personal informatio		protect information,		protect information,		keeping passwords		information private,		demonstrate how to		people can
d S	name, address, birt	hday,	accounts and devices.		accounts and devices.		private.		depending on context.		create one.		manage
ੂ ਵੇ	age, location).		 I can recognise more 	•	I can explain and give	•	I can give reasons why	•	I can explain that internet	•	I can explain how many		passwords (e.g.
Privacy	 I can describe whσ 		detailed examples of		examples of what is		someone should only		use is never fully private		free apps or services may		storing them
Ž.	be trustworthy to s		information that is		meant by 'private' and		share information with		and is monitored, e.g.		read and share private		securely or saving
Pr	this information wi		personal to someone (e.g		'keeping things private'		people they choose to and		adult supervision.		information (e.g. friends,		them in the
	can explain why th	ey are	where someone lives and	•	I can describe and		can trust. I can explain	•	I can describe how some		contacts, likes, images,		browser).
	trusted.		goes to school, family		explain some rules for		that if they are not sure		online services may seek		videos, voice, messages,	•	I can explain what
			names).		keeping personal		or feel pressured then they		consent to store		geolocation) with others.		to do if a
			 I can explain why it is 		information private (e.g.		should tell a trusted		information about me; I	•	I can explain what app		password is
			important to always ask		creating and protecting		adult.		know how to respond		permissions are and can		shared, lost or
			a trusted adult before		passwords).	•	I can describe how		appropriately and who I		give some examples.		stolen.
			sharing any personal	•	I can explain how some		connected devices can		can ask if I am not sure.			•	I can describe how
			information online,		people may have devices		collect and share	•	I know what the digital				and why people
			belonging to myself or		in their homes connected		anyone's information		age of consent is and the				should keep their
			others.		to the internet and give		with others.		impact this has on online				software and apps
					examples (e.g. lights,				services asking for				up to date, e.g.
					fridges, toys, televisions).				consent.				auto updates.
												•	I can describe
													simple ways to
													increase privacy on
													apps and services
													that provide
													privacy settings.
												•	I can describe
													ways in which
													some online
													content targets
													people to gain
										İ			money or
													information
										İ			illegally; I can
										İ			describe strategies
										İ			to help me identify
										İ			such content (e.g.
										İ			scams, phishing).
										İ		•	I know that online
										İ			services have terms
										l			and conditions
										İ			that govern their
1 1						1				l			1150.

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/811796/Teaching_online_safety_in_school.pdf
• is this website/URL/email fake? How can I tell?

- what does this cookie do and what information am I sharing?
- while does this cooke as and what hyprimation and I sharing?
 is this person who they say they are?
 why does someone want me to send this?
 why would someone want me to believe this?
 why does this person want my personal information?
 what's behind this post?

- is this too good to be true? is this fact or opinion?

<u>Programmes and Resources</u>

Area of Computing	Resource/Programme	Useful Links
ESafety		https://www.youtube.com/watch?v=ecr6OJmT3Mg Jigsaw https://www.youtube.com/watch?v= o8auwnJtqE Cyberbullying https://www.youtube.com/watch?v=nbGIwCJK7FM Rules for Playing Safe Online https://staysafeonline.org/wp-content/uploads/2017/09/STOP THINKCONNECTOnline-Gaming-Tips-for-Kids-Teens- Tweens.pdf Fake Website http://www.thedogisland.com/ http://stopabductions.com/ http://stopabductions.com/ http://webfronter.com/rbkc/tomatospider/ Copyright https://www.bbc.co.uk/copyrightaware/what-is
Programming	BeeBots Textease Turtle Kodu ProBots Scratch	
	PowerPoint Audacity	Touch Typing Hand Placement https://www.artypist.com/en/typing-tutor/practice/1/2 https://www.wikihow.com/Type Dance Mat Typing https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr Stop Frame Animation
dia	Word	https://www.youtube.com/watch?v=NVcpJZJ60Ao https://www.youtube.com/watch?v=sPjMI4Pk_Ls
Multimedia	Textease	https://www.youtube.com/watch?v=6VOTkFpCAOc https://www.youtube.com/watch?v=QYOoCWP5RQk
Μ	Digital Cameras	https://www.youtube.com/watch?v=8UqjYcWTYGc https://www.youtube.com/watch?v=v4lY9BLC1gI
	I can animate	
	Webcam/Built in Camera	

Handling Data	Excel Textease Branch Textease Database Data Loggers	Data Loggers https://www.youtube.com/watch?v=2q4cVchd3F0 Database Query https://www.youtube.com/watch?v=6tTpK2tvi6w Create a Database https://www.youtube.com/watch?v=6tTpK2tvi6w Database to Bar Chart https://www.youtube.com/watch?v= Txpfyn4ipI Branch Database https://www.youtube.com/watch?v= HBJtrmBLgw		
Technology in our lives		How a search engine works https://www.bbc.com/bitesize/clips/zwdxhyc IP Addresses https://www.bbc.com/bitesize/clips/zsyr9j6		

Recording Work

Due to the practical nature of the computing curriculum, evidence may not always be written down by the children. It is expected that evidence is recorded in one of the different ways each lesson (this could be one document that shows a range of skills taught, e.g. a PowerPoint):

- In the whole class topic book
 - o Ideally with an example and a short description of the activities within the lesson
- In individual topic books
 - This may be useful for peer feedback activities, planning their work, evaluating others' work.
 - o It may just be a print out of the children's final piece, e.g. PowerPoint presentation.
 - It is not expected that this is marked by the teacher in detail due to this usually being the final product, rather than the process.
- On the netbook
 - Any work that is completed on the netbook needs to be saved in the correct half termly file. It is expected that children are taught to save their work under specific/clear file names so that it can be easily monitored by the co-ordinator.

Assessment

At the end of every half term when science is taught, the teacher will assess their class against the NC and progression guidance for that unit of computing. Assessment will be primarily from work that is done in class.

The teacher will assess each individual child under 4 headings:

ı	Children working below	Children working towards	Children working at ARE	Children working above
ı	ARE	ARE		ARE

Monitoring

Monitoring is done both formally and informally throughout the year this may be done by SLT, MLT or a member of the STEM team $\frac{1}{2}$

A list of different types of monitoring can be seen below, along with examples of RAG ratings and pupil voice on the following pages.

Whole Class Topic Books	
Topic Books	
Displays in classrooms and in the	
school halls	
Pupil Voice	
Assessment (1/2 Termly Assessment	
Booklets)	
Teacher Voice	
Planning	
Observations	

RAG Rating: Computing (Topic Books, Whole Class Topic Book, Netbook)



Date of Monitoring:

Who carried out the monitoring?

Books asked for:

Success Criteria:				
The task set				
matches the LO				
Computing				
vocabulary (tier 1, 2,				
3) expectations for				
the lesson is clear				
(e.g. in the LO/SC,				
word mats, in				
children's work)				
There is evidence of				
computing in the				
whole class topic				
book				
Work is organised				
under the specific				
half termly folders				
on the netbook				
	Progression	/Curriculun	r Mapping	
The LO objectives				
match to the topic				
booklet objectives				
All of the objectives				
from the topic				
booklet are				
covered/evidenced				
R=				
Α=				
G=				



Computing Pupil Voice						
Carried out by: Date:						
Class:						
Children (initials):						
	RAG					
Children could recall current learning of computing						
Note down the previous LO in addition to comments.						
Children could recall prior learning						
Note down the date the discussion went back to						
Children could talk about why they were learning certain things (link to real life, topic etc.)						
Children could use computing vocabulary						
Ot	her					
Children's thoughts on computing (likes						
and dislikes). Memorable computing lessons.						
Ideas for	questions					
 What have you been learning today? Can you remember how to do/what is? (Going back through the book an asking about prior learning.) Can you find a piece of work in your book that you found tricky? Why was it tricky? What can you rememberabout it now? Was there something in your book that you found really easy? Why did you find it easy? Have you done before? What have you been learning in the lesson today? Why were you learning this today? When do you have the opportunity to revisit learning? Further questions/ future actions 						