

Subject Overview Computing 2025-2026

	Autumn I	Autumn 2	Spring		Spring 2	Summer I	Summer 2
Found	We Control	technology	Comm	unication	. Multimedia	Communication Data	
ation Stage	la – What is Ib – We Contro Ic – Tinkerin	ol Technology	2b	2a - Digi - Sound 2c - Photo	& Music		Counting - Sorting
	ic illicertic	g. Dee Dots			Animation	This strand	demonstrates how
		pports the EYFS programme for	24	2e - eE		technology ca	n be used to support d prepares pupils for
		g the World by	This stro	and encou	irages the use of	_	lata in Computing in
	helping childre	n to foster their	technology to support literacy and in				KSI.
	understanding o	f a technological	other subject areas such as music and art.				
	diverse				_	Links: Online Safety	
		t prepares the				& Digital Literacy	
		or learning		•	s: Online Safety		
		hinking skills in	& Digital			_	S2) - what to do if
	KS		_		- what to do if		hing they don't
	Online Safety Li			something	they don't	like.	(60)
	Safety & Digital	<u> </u>	like.	T 0 11	(60)	Personal Inform	
	Sleep (LI) - unde		Personal				at some information
	screen time can	•			me information is	is private, and shared.	shoulant be
	Choosing what to do online (L2) - deciding on what is appropriate to watch and play online. Communicating online (SI) - how		•		ln't be shared lo online (L2) –	sharea.	
			deciding on what is appropriate to watch, listen to and play online.				
	do they use tech				tand that screen		
	communicate?		time can				

	Feeling Safe (Si they see someth like. Personal Informa understand that information is po shouldn't be sha	ation (S3) - t some rivate, and	Choosing what to deciding on what watch and pl	is appropriate to		
Year 1	Computer T Document Sound Text Photograph Information less/ fewer/ le Program In	File Folder E Image Vid Digital Camera Data Pictogeast/ most	ardware Softw Font Apps eo File Reco Focus Close gram Chart puter Forwards Sequence	Personal In rd Play stop 2 up Personal Inform	formation o Pause Med ation Private/	
	0.1 What is a computer	I.I How do I use computer independently	and sounds?	4.1 Simple BeeBot Programs Safety	3.1 How do I present data using pictures?	5.1 What is an algorithm?
	Entering: Pupils use a range of digital devices and understand	Understand that a computer is a type of machine and we use computers to help us find out	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Recognise that program is a sequence of instructions that a computer can follow. Predict	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Recognise that an algorithm is a sequence of instructions that a human or computer can

that you can access content on a digital device. They use a mouse, touchscreen or appropriate access device to target and select options on screen. Developing:

Pupils recognise a range of digital devices, and the basic parts of a computer or tablet, e.g. mouse, keyboard. screen. They u.n.d.e.rst.a.n.d. that you can access the same content on different devices and that

and present information

CONCEPTS:

What is a computer; hardware: software: creating content: personal information

KNOWLEDGE: Why we use a computer to write: basic icons and where to find options in. m.e.n.u.s i.n. word-processing software: where to open and save work at school: how to edit text and why we use particular effects (e.g. bold, underline); why we need to keep

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

CONCEPTS:

Computer; software/applicatio n; creating & editing content; multimedia text, image, audio, video; copyright; personal information

KNOWLEDGE: A range of devices that can take digital

the outcome of simple programs, and start to plan out simple programs to move a floor robot.

CONCEPTS:

Computer; program; debugging

DECLARATIVE KNOWLEDGE

: Humans control computers by giving them instructions: what each button does o Bee Bot: the instructions we give to a Bee Bot is called a program.

PROCEDURAL KNOWLEDGE: Use technology safely and respectfully, keeping personal information private

CONCEPTS:

Computer; software/applicati on; personal information: information. & data: chart/pictogram

KNOWLEDGE: We can present data in charts: different kinds of charts and pictograms; key features of a chart/pictogram; why we use computers; who to share personal information with

SKILLS: Mouse & keyboard skills; collecting data; open and save

follow to complete a task. Create simple programs using floor robots by planning out an algorithm first. Debug and predict the outcome of simple programs a.n.d. algorithms.

CONCEPTS

Computer; algorithm; program; debugging

DECLARATIVE KNOWLEDGE

An algorithm is a set of instructions that can be followed by a human or a computer to achieve a task: an algorithm

information can be stored on a computer.

They can add text to a document using the keyboard (wh.e.re. appropriate). Pupils understand that information and media can be stored on a digital device, e.g. they ask to view a photo that has been taken on a. tablet Secure: Pupils can name a range of digital devices in the home and at school. They can

personal information private.

SKILLS: Logging

on; Mouse skills

- left, right, double click, targeting; keyboard skills simple typing, basic keys; open and save documents highlight text and change appearance; insert an image Entering: Pupils use technology to explore and access digital content. They create simple digital content, e.g. add basic text to a document that is already open. Pupils choose

photos/record audio or create art; (photos can be edited to alter them); why we use computers; where to open and save work at school: what makes a good photo/piece of art; digital content is owned by the person who created it: what to do if they see an upsetting image online

SKILLS: Use a camera/microphon e/tablet to record audio and take photos OR use basic features of a digital art program to create art Entering: Pupils use technology to

explore and

Create a simple program to control a floor robot: predict the outcome of simple programs.

Entering: Pupils explore technology and try alternative approaches to achieve a

goal. They understand that we control computers and answer basic can follow instructions to

control a digital device. They displayed in can order the steps of a known present simple task, and recognise data using patterns in images. groups of objects.

Developing: Pupils

documents: create a simple pictogram; answer questions about data shown in a pictogram or chart

Entering:

Pupils sort familiar objects into one or more categories. They collect simple data (e.g. likes/dislikes) on a topic and

questions about information images, e.g. more or less. They can Pupils are aware t.h.a.t. information can be public or private.*

inputted on a computer is called a program; identifying and correcting errors is called debugging. The order of instructions in a program/algorith m is important.

PROCEDURAL KNOWLEDGE:

Create a simple program to control a floor robot ;plan an algorithm away from the computer then test out; predict the outcome of simple programs.

Entering: Pupils understand that we control computers.

explain what the basic parts of a computer are used for, e.g. mouse, screen, and keyboard. Pupils understand that you can find information on a website, and use a simple password when logging on. They understand that you can share digital content.

media to convey information from a selection. Pupils are aware that information can be public or private.* Developing: Pupils understand that you can edit and change digital content, e.g. the appearance of text. They select media (e.g. images) to present information on a topic. They select basic options to change the appearance of digital content. e.g. making text bold. Pupils recognise what is personal information.*

access digital content. They operate a digital device with support to fulfil a task, e.g. taking a photograph, and create simple digital content. Pupils choose photos and sounds from a limited selection to convey information. They are aware that information can be public or private, and that some online content is inappropriate.* Developing: Pupils choose a digital device from a selection to complete a specific task, e.g. to take a photograph. They

understand that we control computers by giving them instructions. They can identify and list steps of a known task in order, and understand that this is called an algorithm. They can input a short sequence of instructions to control a digital device. Secure: Pupils can create a simple algorithm, and understand that the order of instructions is important. Pupils understand that computers have no

intelligence and

we have to

Developing: Pupils can recognise charts and tables, and understand why we use them. They collect simple data on a topic (eye colour, pets etc.) and use specific software to create simple charts. Pupils can explain information shown in a simple pictogram. They understand what personal information is and the need to keep it private* Secure: Pupils can collect data and present it in a pictogram independently. They explain information

They can follow simple instructions to control a digital device, and recognise the success or failure of an. action. Developing: Pupils understand that we control computers by giving them instructions. They can input a short sequence of instructions to control a digital device. They try alternative approaches to achieve a goal. Secure: Pupils understand what an algorithm is and they understand that

Secure:	select media	program tham to	shown in a	the order of
		program them to		instructions is
Pupils can apply	(e.g.	do things.	simple chart,	
simple edits to	images, video,	Pupils can	pictogram or	important.
digital content	sound) to present	create a simple	infographic.	They
to achieve a	information on a	program.		understand
particular effect,	topic and			that
e.g. change the	understand that			computers have
font of text for	you can edit and			no intelligence
a reason.	change digital			and we have to
They combine	content. They			program them to
media with	recognise			do things.
support to	inappropriate			Pupils can
present	content and know			create a simple
information, e.g.	to tell an			program e.g. to
they choose	appropriate			control a floor
images to	adult*			robot.
accompany text	Secure:			They can debug
from a selection.	Pupils combine			an error in and
	media with			predict the
They understand	support to present			outcome of a
that digital	information,			simple program.
images	e.g. text and			
belong to the	images, and			
person that	select basic			Concept:
created them,	options to change			Logic
and save and	the appearance			Algorithm
reuse content	of			Data
found online.*	digital content.			Program
Pupils recognise	They understand			
what is personal	that you can			
information	share digital			
and	content online.*			

	understand the need to keep it private.* Online Safety Links: C2: What is the internet Online Safety Links sl: Personal Information	They understand that digital images belong to the person that first created them.* Pupils understand what personal information is and the need to keep it private.* They know who to tell if concerned about content or contact online.* Online Safety Links PI: Online Strangers P2: Feeling uncomfortable online
Year	Vocabulary Computer Technology	Hardware Software Password Input/output
2	1.	File Folder Font Edit Apps
	•	ceptable Use Screen Mouse Microphone Keyboard

Data Information Branching Database Chart Personal information Debug Private Public Algorithm Program Instruction Computer Forwards Backwards Left Turn Right turn Robot Command Sequence Order							
AUT I 0.2 What is a computer?	1.2 How do I use a computer as a writer?	4.2 Extending programs with Bee Bot	2.2 How do I create a multimedia story?	3.2 What is a branching data base?	5.2 Extending Simple Drawing programs		
		Online	: safety				
O.2 What is a computer? Entering: Pupils recognise a range of digital devices, and the basic parts of a computer, e.g. mouse, keyboard, screen. They understand	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about	Understand what algorithms are; how they are implemented as programs on digital devices; create and debug simple programs; use logical reasoning to predict the behaviour of simple programs. CONCEPTS	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private. CONCEPTS: Computer; software/application; personal	Simple drawing programs Recognise that an algorithm is a sequence of precise instructions that a human or computer can follow to complete a task. Create simple programs using online programming		

that you can access the same content on different devices and th.a.t. information can be stored on a computer. They can add text to a document using the keyboard (where appropriate). Pupils understand th.a.t. information and media can be stored on a digital device, e.g. they ask to view a photo that has been taken on a tablet. Developing:

content or contact on the internet or other online technologies.

CONCEPTS:

What is a computer; hardware; software; input and output devices; creating content.

KNOWLEDGE: A range of input and output devices; why we use a computer to write: basic icons and where to find options in menus in word-processing software: where to open and save work at school: how to edit text and why we use particular effects Computer; algorithm; program; sequence; debugging

DECLARATIVE KNOWLEDGE

An algorithm is a sequence of instructions that can be followed by a human or a computer to achieve a task: an algorithm inputted on a computer is called a program the order of instructions is important; there may be more than one solution to a problem.

PROCEDURAL KNOWLEDGE:

Create a program to control a floor content or contact on the internet or other online technologies CONCEPTS:

CONCEPTS Computer;

software/applicat ion; creating & editing content; animation: multimedia text, image, audio, video; copyright; personal information KNOWLEDGE: What makes a good animation/photos tory; why we use computers; where to open and save work at school; digital content is owned by the person who created it SKILLS: Use a camera/micropho ne/tablet to take

information; information & data; chart/pictogram; branching database; debugging

KNOWLEDGE: We can present data in different ways; why we use branching databases: key features of a branching database: what makes a good question; why we use computers; why we should be careful who we share personal information with

SKILLS: Mouse & keyboard skills; open and save documents; create a simple branching database;

applications by planning out an algorithm first. Debug and predict the outcome of programs in more than one application.

CONCEPTS

: Computer; algorithm; program; debugging; sequence

DECLARATIVE KNOWLEDGE

: An algorithm
is a set of
instructions that
can be followed
by a human or
a computer to
achieve a task
we use
algorithms to
help us plan
programs; the

Pupils can name a range of digital devices in the home and at school.

They can explain what the basic parts of a computer are used for, e.g. mouse, screen, and keyboard. Pupils understand that you can find information on a familiar website, and use a simple password when logging on.*

They u.n.d.e.rst.a.n.d. that you can share digital content.

Secure:

Pupils recognise and (e.g. bold, underline); why we need rules when using technology.

SKILLS: Logging on; mouse skills - left, right, double click, targeting; keyboard skills simple typing, basic keys; open and save documents highlight text and change appearance; insert an image

Entering:

Pupils understand that you can edit and change digital content, e.g. the appearance of text.

robot; plan an algorithm away from the computer then test out; predict the outcome of and debug programs.

Entering:

Pupils understand that we control computers by giving them instructions. They can identify and list steps of a known task in order, and understand that this is called an algorithm. They can create a short sequence of instructions to control a device.

Developing:

Pupils can create a simple algorithm, and understand that

photos or create an animation: mouse skills Entering: Pupils select media (e.g. images, video, sound) to present information on a topic and understand that

you can edit

and change digital content. They recognise inappropriate content and know to tell an appropriate adult.* They understand that you can share digital

online.* Developing: Pupils combine media with support to present

content

identify an object using a branching database; identify errors in a branching database Entering: Pupils can identify an object by asking yes/no questions. They can recognise a branching database, and understand why we use them. They can distinguish between text, image, video and audio content. They understand what personal information is and the need to

keep it private*

Pupils can create

database using

Developing:

a branching

order of instructions in a program/algorith m is important and they should be clear and precise. Basic commands in Logo (fd, bk, lt, rt, cs, pu , pd

PROCEDURAL KNOWLEDGE:

Create a simple program to control a sprite; plan an algorithm away from the computer then test out: predict the outcome of and debug longer programs.

Entering: Pupil s understand that we control computers by giving them

use a range of input and output devices, e.g. mouse, keyboard, microphone / printer, speakers, monitor. They recognise that a range of devices contain computers, e.g. washing machine, car, laptop. They know where to save and open work and understand that work saved on a computer at school can be opened on a different computer or device. Pupils understand

They select basic options to change the appearance of digital content, e.g. making text bold. They select media (e.g. images) to present information on a topic. Pupils recognise what is personal information and can describe what makes a good friend.* They recognise inappropriate content and know to tell an appropriate adult.* Developing: Pupils can apply simple edits to digital content to achieve a particular effect,

the order of instructions is important. They can debug an error in a simple algorithm or program, and predict the outcome of an algorithm or program. Pupils understand that computers have no intelligence and we have to program them to do things. Pupils can create a simple program e.g. to control a floor robot. Secure: Pupils understand

Pupils understand that instructions need to be clear and unambiguous in an algorithm. They can evaluate the information, e.g. images and sound, and select basic options to change the appearance of digital content. They understand that digital images belong to the person that first created them.* Pupils understand what personal information is and the need to keep it private.* They know who to tell if concerned about content or

contact online.*

Pupils plan out

digital content

and present

Secure:

images and questions. They can identify an object using a branching database. They can recognise an error in a branching database. Pupils understand that you can find out information in different formats. e.g. text, video, audio. Secure: Pupils independently plan out and create a simple branching database to identify a set of objects. They

understand that

the questions you

ask when

pre-prepared

instructions - an algorithm. The y can identify and list steps of a known task in order, and create a short sequence of instructions to control a device. They can recognise if a program is successful.

Developing:
Pupils
understand
what an
algorithm is
and they
understand that
the order of
instructions is
important.
They
understand
that
computers have
no intelligence

and we have to

that you can use a search engine to find information using keyword searches. They remember a. u.se.rn.a.m.e. and password for logging on, and understand that all devices. programs, websites, apps and games are designed and manufactured by real people to fulfil specific tasks.*

Concepts: Machine Program Data

e.g. change the font of text for a. reason.. They combine media with support to present information, e.g. they choose images to accompany text from, a. selection. They save and reuse digital content found online, and understand that digital images belong to the person that created them* Pupils recognise what personal information is. and understand the need to keep it private* They know who to tell if concerned about

success of an algorithm

Online Safety Links: L2: Choosing what to do online

ideas and information by combining media independently. They apply edits to digital content to achieve a particular effect. They talk about what makes digital content good or bad and edit it to improve it. They understand that the digital content we make belongs to us and others need to ask. permission to use it*

Online Safety Links: S3: Communicating Online

collecting data are important. They can evaluate a given branching database and suggest improvements. Pupils explain how different formats e.g. text, images, audio, communicate information and their benefits. They understand that our personal information belongs to us and why we shouldn't share it with everybody* They know who to tell if concerned about content or contact online*

program them to do things. Pupils can create a simple program e.g. to control a floor robot They can debug an error in and predict the outcome of a simple program. Secure: Pupils evaluate the success of an algorithm or program. They identify and correct errors in a given algorithm or program. They understand that we can decompose a problem into smaller steps to make it simpler.

content or
contact online.*
Secure:
Pupils plan out
digital content,
and present
ideas and
information by
combining media
independently.
They edit digital
content to
improve it.
They understand
what makes a
good online
friend and the
need to be kind
and thoughtful
online as in the
real world.*
Pupils can
identify rules to
add to an
acceptable use
policy for the
class.*
Pupils
understand that
the digital
content we make
belongs to us

	computers	good poster?	scratch	computer as a musician?	we use databases to find information?	loops in programs?
	0.3 Using	1.3 What makes a	4.3 Sequence events in	2.3 How do I use a	3.3 How do	5.3 How do I use forever
Year 3	Apps Copyright Pitch Loop Algorithm F Command Repetition	Record Export Trac Program Sequ Loop Count	ence Sprite l controlled loop	Pause Med Debugging Inp	dia Audio out Code Eve	Tempo ent
		and others need to ask permission to use it.* Online Safety Links: S2: Being Kind Online P3: Searching				

Review:
Save and
Open files (y2)
Capture media
independently
(y2)
Explain that
you can
search for
information on
the internet
(Y2)

0.3 Key Skills: Using school computers SSW

Entering:
Pupils can
name a range
of digital
devices in the
home and at
school.
They can
explain what
the basic parts
of a computer
are used for,
e.g. mouse,
screen,
keyboard.

I.3 What makes a good poster?
Understand that information can be presented in different formats for different purposes, and that images can provide a lot of information quickly.

CONCEPTS: Why
we use
computers;
creating
content; editing
content;
multimedia text, image,
audio, video;
copyright.

KNOWLEDGE:
Key features of
a poster; why we
use a computer
to create
content; basic
icons and where

4.3 How do I use repetition in programs to make them more efficient?

Design, write and debug programs that accomplish specific goals; use sequence in programs. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.

CONCEPTS

Algorithm; program; sequence; debugging; input

DECLARATIVE KNOWLEDGE: An algorithm is a precise set of 2.3 How do I use a computer as a musician? SSW

Understand that music can be used to affect the mood of digital content. Digital music is owned by the person that created it.

CONCEPTS:

Computer; software/applicat ion; creating & editing content; multimedia – text, image, audio, video; copyright; personal information.

KNOWLEDGE: How music affects mood of a digital artefact; why we 3.3 How do we use databases to find out information?

Understand that computers are used to store and make sense of large amounts of data

CONCEPTS:

Computer; software/applicati on; personal information; information & data; chart/pictogram/br anching database; flatfile database

KNOWLEDGE: We can present data in different ways; why we use flatfile databases; key features of a flat-file database

5.3 How do I use forever loops in programs? SSW

Design, write and debug programs that accomplish specific goals; use sequence and repetition in programs. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.

CONCEPTS:

Algorithm; program; sequence; debugging; input; repetition

Pupils understand that you find information on a. fa.m.i.li.a.r website, and use a simple password when logging on. They understand that you can share digital content. Developing: Pupils recognise and use a range of input and output devices, e.g. mouse, keyboard, microphone / printer, speakers, m.on.i.t.or. They recognise that a range of devices contain computers, e.g. washing

to find options in menus in desktop publishing/presen tation software; where to open and save work at school; how to add different elements to a poster; who owns an image.

SKILLS: Logging on; Mouse skills - left, right, double click. highlighting; Keyboard skills simple typing, basic keys; Open and save documents Highlight text and change appearance; Insert an image, shape or Word Art: Evaluate a piece of work

can be followed by a human or a computer to achieve a task; the order of instructions in an algorithm or program is important (sequence); recognise basic commands in Scratch and their function: recognise that we can use a range of inputs to control what happens in a program.

instructions that

PROCEDURAL
KNOWLEDGE:
Create a simple
program to control
a sprite; plan an
algorithm away
from the computer
then test out;
debug simple
programs; predict

use computers to make music; where to open and save work at school; digital content is owned by the person who created it

SKILLS: Mouse skills; adding music loops to software; simple editing of music clips; record audio in software

Entering:

Pupils combine media with support to present information, e.g. images and music, and select basic options to change how a piece of music or audio

and how to search one; why we use computers; why we should be careful who we share personal information with

SKILLS: Mouse & keyboard skills; answer questions using charts; search for information using a database; identify the kind of data that can be stored in a database

Entering:

Pupils collect
data on a topic
(e.g. eye colour,
pets etc.)
They can answer
basic questions
about the
information
stored in a
record card

DECLARATIVE KNOWLEDGE

: An algorithm is a precise set of instructions that can be followed by a human or a computer to achieve a task: recognise basic commands in Scratch including drawing tools; recognise that we can use a range of inputs to control what happens in a program; we use count controlled loops

to make things happen a certain number of times in a program or algorithm.

machine, car, laptop. They know where to save and open work and understand that work saved on a computer at school can be opened on a different computer. Pupils understand that you can use a search engine to find information using keyword searches. They remember a username and password for logging on, and understand that all devices. programs, websites, apps

according to criteria.

Entering:

Pupils can apply simple edits to digital content to achieve a particular effect, e.g. change the size of text. They combine media with support to present information. They save and reuse digital content found online and understand that digital images belong to the person that created them* Pupils recognise what is personal information and understand the need to keep it private.* They know who

the outcome of simple programs; use a range of inputs (events) to control a program.

Entering:

Pupils can create a simple algorithm, and understand that the order of instructions is important. They can debug an error in a simple algorithm or program, and predict the outcome of an algorithm or program. Pupils understand that computers have no intelligence and we have to program them to do things.

sounds. They understand that music belongs to the person that first created it.*

Developing:

Pupils plan out digital content and present ideas by combining media independently They apply edits to digital content to achieve a particular effect. They talk about what makes digital content good or bad and edit it to improve it. They understand that the digital content we make belongs to us and others need to ask

database. Pupils understand that you can find out information in different formats. e.g. text, video,

audio. Developing: Pupils appreciate that different programs work with different types of data. e.g. text, number. Pupils explore a record database to find out information. They use filters in a database to find out specific information. They understand that the questions you ask are important, when collecting data. They know that there is a difference.

between data

PROCEDURAL KNOWLEDGE:

Create a simple program to control a sprite; plan an algorithm away from the computer then test out; debug simple programs ; predict the outcome of simple programs; use a range of inputs (events) to control a program; use count controlled loops to draw shapes/make music.

Entering:

Pupils understand what an algorithm is and they understand that the order of

and games are designed and manufactured by real people to fulfil specific tasks. Secure: Pupils can open and save a file to a suitable folder. and use suitable file names when saving work. They understand that school computers can be connected and they may use a shared area for saving work. They type using all fingers. Pupils use a search engine to find information using keyword searches.

to tell if concerned about content or contact online.* Developing: Pupils plan out digital content, and present ideas and information by combining media independently. They save and reuse digital content found online.* They talk about what makes digital content good or bad and edit digital content to improve it. Pupils understand that the digital content we make belongs to us and others need to ask permission to use it.*

Developing: Pupils understand that instructions need to be clear and unambiguous in an algorithm. They can evaluate the success of an algorithm or program, and identify and correct errors (debugging). Secure: Pupils use repetition to make programs more efficient. They plan out their programs and algorithms, and test the effectiveness of their algorithm. Pupils use the language if... then... to describe the relationship between two

actions.

permission to use it.* Secure: Pupils edit existing digital content to make a new version with an awareness of copyright. They evaluate existing and their own digital content, and edit it to improve it according to feedback. They design and create digital content for a specific purpose. Pupils understand that people can give permission for others to use their content e.g. using Creative

Commons.*

and information. They understand that our personal information belongs to us and why we shouldn't share it with everybody.* Secure: Pupils understand the benefits of using a computer to create charts and databases. They can design a questionnaire and collect a range of data, enter data into a database package and test. Pupils draw conclusions from information stored in a database. They understand when to share personal

instructions is important. They understand that computers have no intelligence and we have to program them to do things. Pupils can create a simple program e.g. to control a floor robot. They can debug an error in and predict the outcome of a simple program.

Developing:
Pupils evaluate
the success of
an algorithm or
program. They
identify and
correct errors in
a given
algorithm or
program.
They
understand that

Online Safety
Links
L1: Screen
Time
Review:
Create digital
content (e.g.
art) (y2)
Combine media
to present
ideas (Y2)

Secure:

Pupils use a variety of software to combine media in order to present information. They evaluate existing and their own digital content and edit their own. content to improve it according to feedback. Pupils understand that people can give permission for others to use their pictures e.g. using Creative They know different ways of reporting unacceptable content and contact online.*

information and when not to.*

Online Safety
Links:
C 2: Personal
Information

we can decompose a problem into smaller steps to make it simpler. Pupils use the language if... then to describe the relationship between two actions. They recognise loops in a program and can make simple changes to a block-based program to change it. Secure: Pupils use repetition to make programs more efficient. They predict the outcome of a block-based program, and can remix and change an existing

						program. They plan out programs by writing algorithms. They use forever loops in a program
Year	Vocabulary					
	Algorithm	Program	C	Count-controlled	loop	
4	Co-ordinates	Property		_		
	Sprite	Debuggi		Input		
	Infinite loop	Condition				
	Code	Event		Command		
	Decomposition	L .	_			
	0.4 Key	1.4 How do	3.4 How is	4.4	2.4 What	5.4 Simple
	skills -	I use a	data shared	Decomposition	makes an	Selection
	using	computer as	online?	and infinite	excellent	
		an artist?		loops	mulitmedia	
	computers				story?	
	and					
	networks					
	effectively					
	J		Online	Safety		

Review:
Know where to
save and open
files (Y3)
Save files
(y3)
Resize and
move an image
(Y3)

0.4 - Key Skills Using School Computers and Networks Effectively

Entering:
Pupils
recognise and
use a range of
input and
output devices,
e.g. mouse,
keyboard,
microphone /
printer,
speakers,
monitor.
They recognise
that a range
of devices

I.4 How do I use a computer as an artist or photographer?

Use a range of tools to create digital art. I understand that a digital image is owned by the person that created it.

CONCEPTS: Why
we use
computers;
creating
content; editing
content;
multimedia text, image,
audio, video;
copyright;

KNOWLEDGE:
Different ways
to create digital
art; why we use
a computer to
create content;

3.4 How is data shared online?

Understand that computers and digital devices all around the world are connected via the internet, and we can use this to share data and information

CONCEPTS:

Computer; software/hardware; personal information; information & data; network; Internet; web browser; charts & databases

KNOWLEDGE:
Different ways to
present data; why
we use computers;
why we should be
careful who we
share personal
information with:

4.4 How do I use decomposition to help me write programs?

Recognise that
we can
decompose
programs into
smaller parts to
make them
easier to solve
and debug; use
infinite (forever)
loops in
programs to keep
something
happening.

CONCEPTS

: Algorithm; program ; input; decomposition; repetition

DECLARATIVE KNOWLEDGE : We decompose problems into smaller parts to 2.4 What makes an excellent multimedia story?

To enhance a

digital story with

relevant effects, sounds and titles CONCEPTS:
Computer; software/application; creating & editing content; animation - onion skinning/frames; photostory - transitions/animations; copyright; personal

information

KNOWLEDGE:

Features of a good animation/photost ory; what is stopmotion animation; why we use computers; digital

5.4 How do I use selection to change what happens in programs?

Recognise that programs flow differently depending on whether events. loops and selection statements are used: use selection to change what happens in a program depending on if a condition is m.e.t. CONCEPTS Algorithm, sequence,

DECLARATIVE KNOWLEDGE: Programs flow

repetition,

selection

contain computers, e.g. washing machine, car, laptop. They know where to save and open work and understand that work saved on a computer at school can be opened on a different computer. Pupils understand you can use a search engine to fin.d. in.form.a.ti.on. using keyword searches. They remember a username and password for logging on, and understand

basic icons and where to find options in menus in software; where to open and save work at school; key tools to create digital art; who owns digital content.

SKILLS: Logging on; mouse skills – left, right, double click, highlighting; take a photo using a device; open and save documents; change tools or add filters; evaluate a piece of work according to criteria.

Entering:
Pupils plan out
digital content,
and present

positive examples of sharing data online; how computers are connected together at school on a network; how the Internet works; not all information on the Internet is reliable

SKILLS: Mouse &

keyboard skills; collect and present information effectively; use technology safely and responsibly Entering: Pupils appreciate that different programs work with different types of data, e.g. text, number. They use specific software to create

make them easier to solve and debug; a program may be made up of a number of algorithms; we use infinite (forever) loops in a program to keep something happening; co ordinates are used to show where a sprite is on the stage in Scratch this is one property of

PROCEDURAL
KNOWLEDGE:
Plan out and
create more
complex
programs
including more
than one
sprite/algorithm;
test a program
and debug if
required; predict

the sprite.

content is owned by the person who created it; simple editing tools to improve content; importance of planning out content; how films and animations are rated;

SKILLS: Use a camera/microphon e/tablet to take photos or create an animation; mouse skills; planning using a storyboard; identifying and correcting errors in an animation (e.g. hand in frame)

Entering:
Pupils plan out
digital content
and present
ideas by

differently
depending on
what events,
loops and
selection
statements are
used; we use
selection to
change what
happens in a
program
depending on if
a condition is
met.

PROCEDURAL
KNOWLEDGE:Cr
eate a program
with different
outcomes
depending on
what happens;
plan an
algorithm away
from the
computer then
test out; debug
more complex
programs;
include user

that all devices, programs, websites, apps and games are designed and manufactured by real people to fulfil specific tasks. Developing: Pupils can open and save a file to a suitable folder. and use suitable file names when saving work. They understand that school computers can be connected and they may use a shared area for saving work. They type using all fingers. Pupils use a

ideas and information by combining media independently. They save and reuse digital content found online.* They talk about what makes digital content good or bad and edit digital content to improve it. They know who to tell if concerned about content or contact online.* Pupils understand that the digital content we make belongs to us and others need to ask permission to use it.* Developing: Pupils use a

charts. They know that there is a difference between data and information. Pupils understand that the Internet is made up of computers from around the world connected together, and that not all information found online is true.* Developing: Pupils understand the benefits of using a computer to create charts

information found online is true.*

Developing:

Pupils understand the benefits of using a computer to create charts and databases.

They can design a questionnaire and collect a range of data.

They can present data effectively in a chart or database.

Pupils draw

the outcome of more complex programs; use a range of inputs (events) and infinite loops to control a program.

Entering: Pupils recognise what an algorithm is -a sequence of instructions to fulfil a task. They can modify an existing program to change what happens and debug an error in a simple algorithm or program. They can identify events and loops in a program or algorithm. Developing:

Developing:
Pupils recognise
that we can
create an

combining media independently
They apply edits to digital content to achieve a particular effect.
They talk about what makes digital content good or bad and

They understand that the digital content we make belongs to us and others need to ask permission to use it.*

edit it to improve

Developing: Pupils evaluate

existing and

their own digital content, and edit it to improve it according to feedback.
They design and create

input in a program.

Entering: Pupils can create a simple program in a suitable application, and debug an error in a simple algorithm or program. They can explain that the order of instructions in an algorithm or program is important. They recognise different events and loops in a program. Developing: Pupils recognise that we can create an

algorithm to

help plan out a

program. Pupils

plan out and

create a

search engine to find information using keyword searches.

Secure:

Pupils understand that you can organise files using folders, and can delete. move and copy files. They use right-click, left-click and double-click appropriately on a mouse. Pupils use a search engine to find specific information, and know how to copy text and images from a web page or document into another

variety of software to combine media in order to present in.form.a.ti.on.. They evaluate existing and their own digital content and edit their own. content to improve it according to feedback. They edit existing digital content to make a new version with an awareness of copyright. Pupils understand that people can give permission for others to use their pictures e.g. using Creative Commons.* Secure:

Pupils collect,

conclusions from information presents in charts, tables a.n.d. databases. They know different ways of reporting unacceptable content and contact online.* They understand when to share personal information and when not to.* Secure: Pupils understand that school computers are connected together in a network. They understand that we use a web browser to access information stored

on the Internet

simply how the

and can explain

algorithm to help plan out a program. Pupils plan out and create a program using infinite loops to control what happens. Pupils identify errors in a block-based program and correct them. Secure: Pupils recognise that we can decompose projects to make them easier to plan and debug. Pupils can explain the difference between countcontrolled and infinite loops and use them effectively in programs to control what

happens.

digital content for a specific purpose. Pupils understand that people can give permission for others to use their content e.g. using Creative Commons.* They understand that games and films have age ratings, and what that means.* Secure: Pupils collect, organise and present information effectively using a range of media.

They use more

complex tools to

edit and

enhance

particular

effect.

media for a

infinite loops to control what happens. They recognise selection statements and can use them in simple programs. Secure: Pupils recognise that we can decompose projects to make them easier to plan and debug. Pupils can explain the difference between countcontrolled and infinite loops and use them effectively in programs to control what happens. They use selection in programs to change what happens

program using

document.	organise and	Internet works.	They can rate a	depending on if
Pupils	present	Pupils can	game or film	a condition is
remember an	information	present data in a	they have made	met, e.g.
individual	effectively using	number of	and explain their	ifthen
password.	a range of	different ways to	rating.*	
	media.	convey	-	
Concepts:	They design and	information.		
Machine	create digital	They are aware	Online Safety	
Data	content for a	that some people	Links	
	specific	lie about who	C2: Personal	
	purpose.	they are online,	Information	
Review:	They use a	and recognise the		
Design and	range of tools to	benefits and risks		
create digital	edit and	of different apps		
content, edit	enhance media	and		
digital content	for a particular	websites.*		
(Y3)	effect. Pupils	Pupils understand		
	collaborate with	that when we		
	peers using	share content		
	online tools,	online, we might		
	e.g. blogs,	not be able to		
	Google Drive,	delete it.*		
	Office 365.			
	They understand			
	that the media	Online Safety		
	can portray	Links:		
	groups of people	L3: Deciding		
	differently.*	what is		
	Online Safety	appropriate		
	Links:	P2: Sharing		
	C3: Copyright	Online		

Year 5	Vocabulary Algorithm Evaluation Count control Selection Operator Random	R led loop : P	Repe Inpi Sen	sing ical System 1	Sequence Infinite loop Variable co-ordinate Decompositio		
	0.5 Key skills Becoming an efficient computer user	4.5 Selection and variables in scratch	n	I.5 How do I collaborate online?	3.5 How do I find and share data safely and responsibly?	5.5 Simulating physical systems	2.5 How do I communicate information using audio effectively?
				Online	Safety		
	0.5 - Key Skills Becoming an Efficient Computer User These are the key skills that will help pupils	4.5 How do I program a physical system (Link to DT Computer Control Unit)	m?	I.5 How do we collaborate online? Understand that the World Wide Web is the collection of	Review: Design a questionnaire and collect data (Y4) Choose appropriate formats to	5.5 How do I use variables to score in program? (Link to DT Computer Control Unit)	2.5 How do I communicate using audio effectively? To combine audio and other media to

to use technology appropriately and effectively. This will enable pupils to use computers more independently in order to en.h.a.n.ce learning in the wider primary curriculum. which will ultimately save time and effort for both pupil and teacher. Entering: Pupils can open and save a file to a suitable folder. and use suitable file names when saving work. They understand that school

Recognise that we use selection to change what happens in a program, depending on whether a condition is met: design and create programs using selection and infinite loops; recognise and use simple variables to keep score. CONCEPTS:

Input, repetition, selection. va.ri.a.bl.e.

DECLARATIVE KNOWLEDGE:

We use selection to change what happens in a program depending on if a condition is met: we need to use an infinite loop to keep

information on the network of computers around the world called the Internet. I can use Internet services to share information with others.

CONCEPTS: Why we use computers; creating content; editing content: multimedia text, image, audio, video; copyright; Internet: World Wide Web: personal information; digital footprint.

KNOWLEDGE: Different ways to collaborate online; range of web browsers: what a URL is: history of the WWW: safe use of present and convey information (y4)

3.5 How do I find and share data safely and responsibly?

CONCEPTS: Computer;

software/hardwar e: personal information: information/data : Internet: World Wide Web: search engine; database: terms & conditions: digital footprint KNOWLEDGE: Why we use computers; awareness of what data we share online: difference. between the Internet & World Wide Web:

Recognise examples of physical systems controlled by computers; name a range of inputs and outputs of physical systems; use repetition, selection, and variables to build or simulate a physical system in a suitable application.

CONCEPTS: Input, output, repetition, selection. variable, physical systems DECLARATIVE KNOWLEDGE:

Physical systems have a range of inputs and outputs, including sensors: common sensors; we can use a flowchart

communicate. information effectively.

CONCEPTS:

Computer; software/applicat ion; creating & editing content; podcast/audio; copyright; personal information: analogue/digital

KNOWLEDGE: Features of a good podcast; why we use computers; digital content is owned by the person who created it: simple editing tools to improve content: importance of planning out content; where to find copyright free content

computers can be connected and they may use a shared area for savina work. They type using all fingers. Pupils use a search engine to find. information using keyword searches. Developing: Pupils understand that you can organise files using folders, and can delete, move and copy files. They use right-click, left-click and double-click appropriately on a mouse. Pupils use a

checking if a condition is met throughout a program. Variables are bits of data stored in program that can change according to what happens.

PROCEDURAL KNOWLEDGE:

Create a program with different out.com.es depending on what happens as it runs; plan an algorithm away from the computer then test out; debug more complex programs. Create a variable in Scratch and name it meaningfully.

online technologies; who owns digital content; key features of a blog/wiki/webpage.

SKILLS: Keyboard and mouse skills; evaluate reliability of a webpage; use key tools in given software: evaluate and improve a piece of work according to criteria.

Entering:

Pupils evaluate existing and their own digital content and edit their own content to improve it according to feedback. They edit existing digital content to make a new version with an

how search engines work; not all information on the Internet is reliable. SKILLS: Mouse & keyboard skills: use technology safely and responsibly; search for information effectively online

Entering:

Pupils understand that the Internet is made up of computers from all around the world connected together, and we can use it to share information. They understand that we use a web browser to access

to represent a physical system; how to combine loops, selection statements and variables to simulate simple physical systems. PROCEDURAL KNOWLEDGE:

Create a program

including different inputs and outputs; decompose a program and write an algorithm for each part; test, evaluate and debug more complex

programs.

Entering: Pupils use

repetition to

make programs more efficient. They predict the outcome of a block-based

SKILLS: Use a microphone/table t to record audio: mouse skills; editing audio clips; layering audio clips for effect Entering: Pupils evaluate existing and their own digital content. and edit it to improve it according to feedback. They design and create digital content for a specific purpose. They edit existing digital content to make a new version with an

awareness of

copyright.

Pupils

search engine to find specific information. and know how to copy text and images from a web page or document into a.n.oth.e.r document. Secure: Pupils use the keyboard confidently to type at a suitable pace, and can use common keyboard shortcuts, e.g. Ctrl. + C(copy); Ctrl + (paste). They create and use a strong password where appropriate. They organise their files

Developing: Pupils use forever loops and selection (if...then...) in a program. They decompose a problem and create a solution (sub-routine) for each step. They use procedures in programs to create a subroutine. Pupils create a program using a range of events/inputs to control what happens. Secure: Pupils predict what will happen in a program or algorithm (e.g. change of output) when the input changes

awareness of copyright. They understand that the Internet is made up of computers from all around the world, connected. together and that n.ot. a.l.l. information found online is true.* Pupils understand that people can give permission for others to use their pictures.* Pupils understand that when we share content online, we might not be able to delete it.* Developing: Pupils collect, organise and present information effectively using a range of media.

in.form.a.t.i.on. stored on the Internet. They know different ways of reporting unacceptable content and contact on.l.i.n.e..* They understand when to share personal information and when not to.* Pupils recognise what kind of websites are trustworthy sources of information.* Developing: Pupils understand that school computers are connected together in a network. They understand the difference between the Internet and

program, and can remix and change an existing program. They plan out programs using by writing algorithms. They use forever loops in a program Developing: Pupils create a program using a range of events/inputs to control what happens. They use selection in algorithms and programs. i.e. if... then... They can decompose a problem and create a solution (sub-routine) for each part. Pupils recognise

understand. that people can give permission for others to use their content e.g. using Creative Commons.* Developing: Pupils collect, organise and present information effectively using a range of m.e.d.i.a.. They use more complex tools to edit and enhance media for a particular effect. Secure: Pupils identify a.n.d. u.se. appropriate hardware and software to fulfil a specific task. They remix and

using folders and appropriate file names.

Concept:

Machine Logic

Online Safety Links:

C3 Passwords

Review: Explain when to use forever loops (Y4) Recognise selection in algorithms to alter what happens (Y4) Recognise common m.i.sta.k.es i.n. programs and how to correct them (Y4)

(e.g. sensor, data or event). They create programs including repeat until loops and recognise variables in a program.

They design and create digital content for a specific purpose. Pupils collaborate with peers using online tools, e.g. blogs, Google Drive, Office 365. They understand that we use a web browser to access information stored on the Internet. They recognise what kind of websites are trustworthy sources of information and the benefits and risks of different apps and websites.* Secure: combine and use Internet services

Pupils select, to fulfil a purpose.

the World Wide Web. and between a search engine and a web browser. They are aware that some people lie about who they are online, and recognise the benefits and risks of different apps and websites.* Pupils demonstrate responsible use of online services and technologies, and know a range of ways to report concerns.* Secure: Pupils understand the difference. between

physical, mobile and wireless

variables in a program. Secure: Pupils predict what will happen in a program or algorithm (e.g. change of output) when the input changes (e.g. via sensor, data or event). They create programs including repeat until loops. They create simple variables, e.g. to keep score or remove lives in a game and understand the difference and use if... then... and if... then... else... statements.

edit a range of existing and their own media to create. content. They recognise the audience when designing and creating digital content. Pupils know where to find copyright free images and audio, and why this is important.*

Online Safety Links:

C4: Copyright

networks. They recognise the audience They can when designing explain the difference and creating digital between the World Wide Web content. and the They understand the difference Internet. between the They understand Internet and the the basics of World Wide Web how search and the benefits engines work, of using and that technology to different search collaborate with engines may give different others. They are aware results. of a range of Pupils perform Internet services. complex searches for information e.g. email, VOIP (Voice Over using advanced Internet Protocol settings in e.g. Skype, search FaceTime), World engines. Wide Web, and They critically what they do. evaluate websites for They recognise the audience reliability of when designing information and authenticity.* and creating digital content. They become Pupils increasingly

Year	Vocabulary	demonstrate responsible use of online services and technologies, and know a range of ways to report concerns.* They critically evaluate websites for reliability of information and authenticity.* Online Safety Link: N2: Fake News P1: Protecting your identity P2 Protecting images of us online Serviy online consumers: know that algorithms are used to track online activities with a view to targeting advertising and information.* Online Safety Link S1: Control and Consent C2: Personal Information, Terms and Conditions N3: Verifying Information online	
Year 6	Algorithm Repetition Input	Program Sequence Infinite loop Count controlled loop Variable Flow	Evaluation

Selection Physical Sys		ensing ecomposition	co-ordinate Random	Operator
0.6 Understanding the computer 1.6 How do I use a computer to present information effectively	3.6 Why do we use spreadsheets	4.6 Complex programs in scratch	2.6 What makes an excellent film?	5.6 Real world applications
		Online	Safety	
KNOWLEDGE: Different ways to present information digitally; who owns digital content; key features of a piece of digital content; difference between vector and bitmap images;	Review: Explain difference between the internet and World Wide Web (Y5) Know the difference between a search engine and a web browser (Y5)	4.6 How do I build complex physical systems? (Link to DT Computer control Unit) Recognise and use sequence, repetition, selection and variables to create complex programs.	Review Remix and edit media to create content (Y5) 2.6 What makes an excellent film? CONCEPTS: Computer; software/applicat ion; creating & editing content;	5.6 How do I design more complex programs? (Link to DT Computer control Unit) CONCEPTS Input, output, repetition, selection, variable,
different file types and what these mean.	3.6 Why do we use spreadsheets?	Combine variables with operators to determine when a program changes. Concepts	film/video; copyright; personal information; design process	physical systems DECLARATIVE KNOWLEDGE: We can use

SKILLS: Keyboard and mouse skills; use key tools in given software: evaluate and improve a piece of work according to criteria: how to combine media effectively. Entering: Pupils can open and save a file to a suitable folder. a.n.d. u.se. suitable file names when saving work. They understand that school computers can be connected and they may use a shared area for saving work.

Understand that we can use spreadsheets to do complex calculations and sort data

CONCEPTS:

Computer; software/hardwar e; personal information; information/data ; spreadsheet

KNOWLEDGE: Why we use computers; different ways we can present information: examples of how spreadsheets can be used; simple formulae in spreadsheets and what they do; not all data is reliable: how information is presented can be misleading

Input, repetition, selection, variable DECLARATIVE KNOWLEDGE:

The flow of a program depends on the constructs used, e.g. sequence, repetition, selection. Variables are bits of data stored in program that can change according to what happens. PROCEDURAL

KNOWLEDGE: Create a program with different outcomes depending on

depending on what happens, including selection, repetition and variables; plan an algorithm away from the computer then test out and evaluate it:

KNOWI FDGF: Features of a good film; why we use computers; digital content is owned by the person who created it: simple editing tools to improve content: how to storyboard a film; where to find copyright free content: how to enhance content with titles, audio and effects; types of shots and camera angles; film-ratings & why we use

SKILLS: Use a camera/tablet to record video effectively;

t.h.e.m.

computers in a wide range of ways, e.g. to help us translate languages, control physical systems, create art and music. How to combine loops, selection statements and variables to simulate simple physical systems and other applications.

PROCEDURAL KNOWLEDGE:

Identify the key parts of a program; decompose a program and write an algorithm for each part; test, evaluate and debug more complex programs.

They type using all fingers.
Pupils use a search engine to find information using keyword searches.

Developing:

Pupils
understand
that you can
organise files
using folders,
and can
delete, move
and copy

files.
They use right-click, left-click and double-click appropriately on a mouse. Pupils use a search engine to find specific information, and know how to copy text

SKILLS: Mouse & keyboard skills; use technology safely and responsibly; use formulae in a spreadsheet to find out information: enter data into a spreadsheet and create graphs to present information

Entering:

Pupils know that there is a difference between data and information.
They can design a questionnaire and collect a range of data on a theme.
They can enter

recognise common errors in programs and how to debug them.

Entering: Pupils

can decompose

recognise that we

projects to make them easier to plan and debug. Pupils can use infinite loops effectively in programs to control what happens, and combine them with selection to change what happens depending on if a condition is met. e.g. if...then... Developing: Pupils decompose projects and plan out an algorithm for each part. Pupils can explain why we use selection in

editing video clips; adding titles, audio, effects to software; exporting a video

Entering: Pupils collect, organise and present information effectively using a range of media. They use more complex tools to edit and enhance media for a particular effect. They can rate a game or film they have made and explain their rating.* Developing: Pupils identify

and use

appropriate

hardware and

software to fulfil

Entering:

Pupils create a program using a range of events/inputs to control what happens. They use selection, in. algorithms and programs, i.e. if... then... They can decompose a problem and create a solution (subroutine) for each step. Pupils recognise variables in a program. Developing:

Pupils predict what will happen in a program or algorithm (e.g. change of output) when the input

and images from a web page or document into another document. Secure: Pupils use the keyboard confidently to type at a suitable pace, and can use common keyboard shortcuts, e.g. Ctrl. + C(copy); Ctrl + (paste). They create and use a strong password where appropriate. They organise their files using folders and appropriate file names.

data in a spreadsheet and answer simple questions about in.form.a.ti.on. stored in a spreadsheet. Developing: Pupils understand what a spreadsheet is and what it is used for. They use simple formulae in a spreadsheet to find out information from a set of data. They produce graphs from data in a spreadsheet and evaluate data and information shown. Secure: Pupils understand that there are different tools for analysing

programs, and combine it with a variable to control game play. Secure: Pupils can design their own programs and recognise the role sequence, selection and repetition have in determining the flow. Pupils can explain why we use variables in programs, and combine them with operators to make more complex games. The can explain common errors in programs and how to fix them.

a specific task. They remix and edit a range of existing and their own media to create content. They recognise the audience when designing and creating digital content. Pupils know where to find copyright free images and audio, and why this is important.* Secure: Pupils identify success criteria for creating digital content for a given purpose and audience. They evaluate their own content against

changes (e.g. via sensor, data event). They create programs including repeat until loops. They create simple variables, e.q. to keep score or remove lives in a game and understand the difference and use if... then... and if... then... else... statements. Secure: Pupils understand the difference. between and use if... then... and if... then... else... statements. They combine a variable with

Concept:	data.	success criteria	relational
Machine	They can	and make	operators (< = >)
Logic	collect, organise	improvements	to determine
	and present	accordingly.	when a program
Online Safety	data	They can	changes.
Links:	independently in	explain why	They recognise
	a	films have	the audience
C3 Passwords	spreadsheet.	certain	when designing
	They recognise	ratings.*	and creating
Review:	that poor quality		digital content.
Explain when	data leads to		Pupils evaluate
to use forever	unreliable	Online Safety	their own
loops (Y4)	results	Link:	content against
Recognise		L6: Game	success criteria
selection in		ratings	and make
algorithms to		NI:	improvements
alter what		Digital	accordingly.
happens (Y4)		Media	
Recognise			
common			Concepts
mistakes in			Program
programs and			Algorithm
how to correct			Logic
them (Y4)			