Year	Multimedia	Programming	Online	E-Safety**	Data
1	Activity 1: Graphics cc	Activity 1: Bee Bots (toy)	Activity 1: Websites	Make decisions about	Sort objects and
	ART (Revelation	Give and follow instructions, which include	Talk about websites	whether or not statements	pictures in lists
	Natural Art Simple)	straight and turning commands, one at a time.	they have been on.	or images found on the	or simple tables,
	Use ICT to generate a			internet are likely to be	e.g. on IWB.
	picture.	Encourage children to offer two or more	Explore a website by	true.	
		instructions to achieve the outcome as they	clicking on buttons,		
	Use various tools	become able to do this.	arrows, menus and	Tell an adult if anything	
	including brushes,		hyperlinks.	worries them online.	
	pens, lines, fill, spray	Activity 2: Daisy Dino			
	and stamps.	Play with app and attempt the challenges. Use	Navigate 'back' by	Identify different devices	
		the IWB to show the app to the class.	clicking on the 'back'	that can go on the internet,	
	Use save, retrieve,		button.	and separate those that do	
	amend and print with			not.	
	support.	Knowledge:	Complete a search	_	
		Computers/devices are controlled by a	under the	Identify what things count	
	Activity 2: Text	sequence of instructions.	supervision of	as personal information.	
	(BookCreator, Word,		adults.		
	etc)	A computer program is like the narrative part		Identify when inappropriate	
	Use the spacebar, back	of a story, and the computer's job is to do what		content is accessed and act	
	space, enter, shift and	the narrator says. Computers have no	Activity 2: Email	appropriately.	
	simple punctuation.	intelligence, and so follow the narrator's	Observe a class		
		instructions blindly.	email.		
	Start to use two hands		eman.		
	when typing.		Talk about what		
			happens.		
	Word process short		паррепо.		
	texts, rather than				
	copying up written				
	work.				

Multimedia	Programming	Online	E-Safety (Oldham CLC)	Data
Activity 1: Multimedia	Activity 1: Daisy Dino	Activity 1: Websites	Identify obviously false	Furbles (software)
(Photostory)	Use the 'repeat'	Begin to use websites	information in a variety of	Use the simpler activities
Learn to create a simple	(loop) and 'when'	for research e.g. topic	contexts.	in this software to
multimedia presentation	(conditional statement)	work.		introduce pupils to
with photos/pictures, text,	command within a series of		Tell an adult if anything	sorting and presenting
voice over, music etc.	instructions.	Navigate to particular websites from links on	worries them online.	information to support the maths curriculum.
Use ' <u>Save Project'</u> to be	Plan a short 'story' for a sprite	a (Word) document	Recognise that a variety of	
able to revisit and edit their	and write the commands for	and by typing a simple	devices (XBox, PSP etc as	
work.	this.	url.	well as computers and	
Activity 2: Video (iMovie			phones) connect users with	
арр)	Edit/refine a sequence of	Answer questions/	other people.	
Capture video.	commands.	make notes from		
		information found.	Identify personal	
Discuss which videos to	Activity 2: Bee Bots (toy and		information that should be	
keep and why.	арр)	Activity 2: Email	kept private.	
Add simple titles, credits	Give and follow instructions,	Contribute to a class		
and voice over.	which include straight and	email.	Consider other people's	
	turning commands, one at a		feelings on the internet.	
	time.			
•		address.	Remember and use Sid's	
_	_		Top Tips.	
•		_ ,		
tools from Year 1.	achieve the outcome as they become able to do this.	keyboard.		
Use watercolours for		Open and select to		
colour wash effects, colour		reply to an email as a		
mixing etc.	Knowledge:	class.		
	Steps can be repeated within			
Use save, retrieve, amend	algorithms			
and print.				
	(Photostory) Learn to create a simple multimedia presentation with photos/pictures, text, voice over, music etc.  Use 'Save Project' to be able to revisit and edit their work. Activity 2: Video (iMovie app) Capture video.  Discuss which videos to keep and why. Add simple titles, credits and voice over.  Activity 3: Graphics cc ART (Revelation Natural Art Junior) Continue exploration of tools from Year 1.  Use watercolours for colour wash effects, colour mixing etc.  Use save, retrieve, amend	Chotostory   Learn to create a simple multimedia presentation with photos/pictures, text, voice over, music etc.	Use the 'repeat' (loop) and 'when' (conditional statement) with photos/pictures, text, voice over, music etc.	Chotostory   Learn to create a simple multimedia presentation with photos/pictures, text, voice over, music etc.   Use 'Save Project' to be able to revisit and edit their work.   Activity 2: Video (iMovie app)   Capture video.   Discuss which videos to keep and why. Add simple titles, credits and voice over.   Activity 3: Graphics cc ART (Revelation Natural Art Junior)   Continue exploration of tools from Year 1.   Use watercolours for colour wash effects, colour mixing etc.   Use the 'repeat' (loop) and 'when' (conditional statement) (conditional statement) command within a series of instructions at them of conditional statement) command within a series of instructions.   Navigate to particular websites from links on a (Word) document and by typing a simple url.   Nawigate to particular websites from links on a (Word) document and by typing a simple url.   Activity 2: Bee Bots (toy and app)   Activity 2: Bee Bots (toy and app)   Activity 2: Bee Bots (toy and app)   Activity 2: Email Contribute to a class email.   Contribute to a class email.   Contribute to a class email address.   Consider other people's feelings on the internet.   Consider

Activity 4: Text	Algorithms can be represented		
(BookCreator, Word, etc)	in simple formats [storyboards		
Use the spacebar, back	and narrative text]		
space, enter, shift and			
simple punctuation.	Awareness that to make		
	something useful happen on a		
Use two hands when	computer it needs to be given		
typing.	clear instructions e.g. a		
	program that someone has		
Word process short* texts,	written.		
rather than copying up			
written work.			
Begin to use			
cut/copy/paste and change			
font size and style to			
rearrange and improve			
texts.			
ND gunile equile he given a			
NB pupils could be given a			
piece of text to improve ie			
several short sentences to			
edit with connectives.			
*use common sense			
relating to typing speed.			
relating to typing speed.			

Year	Multimedia	Programming	Online	E-Safety (Oldham CLC)	Data
3	Activity 1: Multimedia	Activity 1: Unit the Robot	Activity 1: Internet	Question the "validity" of	Furbles (software)
	(Photostory)	(website)	research	what they see on the	Use to develop pupils
	Reinforce learning from		Type in a URL to find a	internet.	knowledge and
	previous year e.g. create a	Use practise mode to burst as	website.		understanding of graphs,
	simple multimedia	many balloons as possible.		Tell an adult if anything	tables and charts.
	presentation with	Pupils who are able to move	Add websites to	worries them online.	
	photos/pictures, text, voice	onto program mode.	favourites.		
	over, music etc.	When in program mode pupils		Use a browser address bar	
		need to be shown that they	Use a search engine to	not just search box and	
	Learn to pan and zoom	can use trail and improvement	find a range of media,	shortcuts.	
	over pictures to focus	when building their program.	e.g. images, text (under		
	attention appropriately.		supervision)	Think before sending and	
		Ask pupils to make their		suggest consequences of	
	Use 'Save Project' to be	program as efficient as	Begin to think of search	sending/posting.	
	able to revisit and edit their	possible.	terms to use linked to		
	work.		questions they are	Recognise online behaviours	
		Also use Apple picking activity	finding the answers for.	that would be unfair.	
	Activity 2: Graphics cc ART	in a similar way, if time			
	(Revelation Natural Art	permits.	Talk about the		
	Junior)		reliability of		
	Use at least once a year	Activity 2: Mission Control	information on the		
	linked to the Art	Use the program in activity	internet, e.g. the		
	curriculum.	(not adventure) mode. Pupils	difference between		
		to be challenged with 'Juicy	fact and opinion (link to		
	Use save, retrieve, amend	drinks' and 'Lifting the heavy	E-Safety)		
	and print.	load' activities at Level 1.			
		More able pupils should	Activity 2: Email		
	Activity 3: Text	compose a set of instructions	Group activities – send		
	(BookCreator, Word, etc)	for other children to complete	an email to another		
		the task.	class e,g, about		
	Continue to use Word		enterprise activity etc		
	(linked to the Literacy				

curriculum?), learning	More able pupils might move	Activity 3: Blogging (to	
additional tools as	on to Level 2 or other activities	be added when	
required.	if time permits.	resources have been	
		researched)	
Get quicker at typing using	Knowledge:	Navigate to view their	
both hands.	Algorithms can be represented	class/school blog.	
	symbolically e.g. Unit the		
Learn to insert a picture in	Robot symbols.	Understand that their	
Word and vary its position		class/school blog can	
on the page.	Algorithms should be stated	be updated from a	
	without ambiguity and care	range of devices.	
Consolidate use of	and precision are necessary to		
cut/copy/paste and change	avoid errors.	Comment on their	
font size and style to		class/school blog.	
rearrange and improve	Algorithms are developed		
texts.	according to a plan and then	Subscribe with an	
	tested. Algorithms are	adult's email to receive	
Activity 4: Video (iMovie	corrected if they fail these	updates about their	
арр)	tests.	class/school blog	
Use to consolidate learning			
in Year 2. Add additional	A computer program is a		
skills as required.	sequence of instructions		
	written to perform a specified		
	task with a computer.		

Year	Multimedia	Programming	Online	E-Safety (Oldham CLC)	Data
4	Activity 1: Text	Activity 1: Scratch Pupils to	Activity 1: Internet	Recognise social networking	Create and analyse bar
	(BookCreator, Word, etc)	learn how to program using	research	sites and social networking	charts in Excel to link to
		Level 1 activity sheets.	Continue to use	features built into other	Maths.
	Continue to use Word,	***	websites for research.	things (such as online games	
	consolidate skills learnt and	*Navigate the Scratch		and handheld games	Use a ready prepared
	learning additional tools as required.	programming environment. Create a background and	Understand that not everybody who builds a	consoles).	spread sheet to solve problems. Edit some of
	required.	sprite for a game.	website puts accurate	Make judgments in order to	the data in the spread
	BookCreator - if possible	Add inputs to control their	information on it e.g.	stay safe, whilst	sheet.
	provide opportunities for	sprite.	All about explorers	communicating with others	
	children to create a book	Use conditional statements	(website)	online.	Continue to use Furbles if
	using skills from previous	(if then) within their game.			this will benefit pupils
	years.	*to be edited when sheets	Activity 2: Emails	Tell an adult if anything	mathematical
		checked for content.	Log in to an email,	worries them online.	development.
	Activity 2: Multimedia		open emails, create		
	(Powerpoint, Photostory)		and send replies.		

		_	_	
	Activity 2: Logo (Microsoft		Identify dangers when	
Powerpoint - Produce a	Windows Logo – MSWLogo)	Attach files to an email.	presented with scenarios,	
short sequence of slides			social networking profiles,	
with text and pictures,	Explore the basic primitive	Download and save	etc.	
adding transitions (and	commands (Logo detective	files from an email.		
sound effects?).	sheet). Spend a little time		Articulate examples of	
·	(playing) with the onscreen	Email more than one	'good' and 'bad' behaviour	
Photostory – if possible	turtle.	person.	online.	
provide opportunities for		'		
children to produce a short	First set of Logo challenges to	Activity 3: Video		
'video' using skills learnt in	produce given shapes.	conferencing		
previous years.		Make/receive and		
,	NB: be aware that some pupils	voice and video call e,g,		
<b>Activity 3: Graphics cc ART</b>	need time to understand that	Facetime or Skype		
(Revelation Natural Art	directions relate to the turtles	between classes.		
Junior)	position and not their own.			
Use once during the year	·	Activity 4: Blogging (to		
linked to the Art	Knowledge:	be added when		
curriculum.	Algorithms can be represented	resources have been		
	symbolically or using	researched)		
Use save, retrieve, amend	instructions in a clearly	-		
and print.	defined language [turtle			
·	graphics].			
Activity 4: Video (iMovie				
app)	The idea of a program as a			
	sequence of statements			
Capture video for a	written in a programming			
purpose.	language [Scratch]			
Discuss the quality of	Programs can be created using			
videos and chose which to	visual tools.			
keep and which to re-				
1 .		1		

shoot.

Begin to learn to trim and arrange clips to convey meaning.		
Add titles, credits, slide transitions, special effects and talk about the effect these have on the audience.		

Year	Multimedia	Programming	Online	E-Safety (Oldham	Data
				CLC)	
5	Activity 1: Text and Multimedia	Activity 1: Scratch Pupils to	Activity 1: Internet	Judge what sort of	Continue to use bar
	(BookCreator, Word, etc)	learn how to program using	research	privacy settings	charts in Excel as
	Continue to use Word, consolidate	Level 2 activity sheets.	Understand websites such	might be relevant to	appropriate.
	skills learnt and learning		as Wikipedia are made by	reducing different	
	additional tools as required.	*Navigate the Scratch	users (link to E-Safety)	risks.	Begin to learn to write
		programming environment.			simple formulas to
	Powerpoint – Consolidate work	Create a background and	Use strategies to check the	Judge when to	make things happen in
	from last year. Produce a short	sprite for a game.	reliability of information,	answer a question	a spread sheet, use
	sequence of slides with text and	Add inputs to control their	e.g. cross checking with	online and when not	replication.
	pictures, adding transitions (and	sprite.	books.	to.	
	sound effects?).	Use conditional statements			
		(if then) within their game.			

Begin to learn to use action	*to be edited when sheets	Use their knowledge of	Be a good online	Learn to use a 'flat file'
buttons to make a variety of	checked for content.	domain names to aid their	citizen and friend,	database e.g. clowns, to
things happen.		judgment of the validity of	not a 'digital	answer questions.
	Activity 2: Logo (Microsoft	websites.	bystander'.	
Photostory – if possible provide	Windows Logo – MSWLogo)			
opportunities for children to		Activity 2: Emails	Articulate what	
produce a short 'video' using skills	Reinforce learning from Year	Continue to use email	constitutes good	
learnt in previous years.	4. Learn to use repeat loops to improve efficiency of	when appropriate.	behaviour online.	
Make use of previously learnt	instructions.	Activity 3: Cloud	Find and cite the	
applications e.g. Revelation		computing	web address for any	
Natural Art, PhotoStory, iMovie,	Staircase and Polygon	Understand files may be	information or	
BookCreator to enhance the	challenges.	saved off their device in	resource found	
curriculum for pupils where		'clouds' (servers).	online.	
relevant.	Knowledge:			
	Algorithms may be	Upload/download a file to	Use different sources	
	decomposed into	the cloud on different	to double check	
Activity 2: Animation (Zu3D)	component parts	devices.	information found.	
Begin to learn the basics of the	(procedures), each of which			
program to animate still objects e.g. Lego figures etc.	itself contains an algorithm.	Activity 4: Video conferencing		
	Algorithms can include	Make/receive and voice		
	selection (if) and repetition	and video call e,g, Facetime		
	(loops).	or Skype between classes.		
	The behaviour of a program should be planned.	Activity 4: Blogging (to be added when resources have been researched)		
	*One or more mechanisms	liave been researched)		
	for selecting which			
	statement sequence will be			
	executed, based upon the			
	value of some data item			
	varue of some data item			

	*to be edited when Scratch sheets checked for content.		

Year	Multimedia	Programming	Online	E-Safety (Oldham CLC)	Data
6	Make use of previously learnt	Activity 1: Scratch	Activity 1: Internet	Find report and flag	Create and
	applications e.g. Word, Powerpoint,	Design their own	research	buttons in commonly	analyse pie
	Revelation Natural Art, PhotoStory,	game/activity this to include	Reinforce learning from	used sites and name	charts in Excel to
	iMovie, BookCreator and Zu3D to	as much of the following as	Year 5. E.g.	sources of help	link to Maths.
	enhance the curriculum for pupils	possible;	<ul> <li>Use strategies to</li> </ul>	(Childline,	
	where relevant.  Pupils should extend their knowledge of tools within programs and the focus should be on improving the quality and appropriateness for audience of	<ul> <li>sprites, backgrounds, scoring and/or timers.</li> <li>conditional statements, loops, variables and broadcast messages.</li> </ul>	check the reliability of information • Use their knowledge of domain names to	'click-CEOP' button and explain to parents what it is for.	Build a simple spread sheet to solve a maths problem.
	the materials they produce. Pupils		aid their judgment	Discuss scenarios involving online risk.	learning of a 'flat file' database

should be encouraged to select the	Evaluate the effectiveness of	of the validity of		e.g. doctors
best application for the task in hand.	their game/activity and debug	websites.	State the source of	surgery, to
	if required.	Continue to make good	information found on	answer
		use of websites for	the internet.	questions.
	Activity 2: Optional if time	research.		
	allows - Logo (Microsoft		Act as a role model for	
	Windows Logo – MSWLogo)	Activity 2: Emails	younger pupils,	
		Continue to use email	including promoting	
	Reinforce learning from Year	when appropriate.	Sid's Top Tips.	
	5. Learn to improve efficiency			
	by writing procedures.			
	,	Activity 2: Emails		
	Use procedures to produce	Continue to use email		
	multi coloured 'Spirograph'	when appropriate.		
	patterns.			
	'	Activity 3: Video		
	Knowledge:	conferencing		
	Algorithms can be	Make/receive and voice		
	represented symbolically or	and video call e,g,		
	using instructions in a clearly	Facetime or Skype		
	defined language [turtle	between classes.		
	graphics]	Setween classes.		
	grapines	Activity 4: Blogging (to be		
	Algorithms are developed	added when resources		
	according to a plan and then	have been researched)		
	tested. Algorithms are	liave been researched)		
	corrected if they fail these			
	•			
	tests.			
	Algorithms can include			
	Algorithms can include			
	selection (if) and repetition (loops).			

A well-written program tells a reader the story of how it works, both in the code and in human-readable comments
Computers can be programmed so they appear to respond 'intelligently' to certain inputs.

NB: Stemworks visit would introduce pupils to the ideas of algorithms in the form of flow charts.