

# SWITCHED<sub>ON</sub> Computing AND Purple Mash

## HOW PURPLE MASH CAN COMPLEMENT THE ACTIVITIES AND SOFTWARE IN SWITCHED ON COMPUTING

### Setting 2Dos:



Any of the activities, resources or tools suggested below can be set as a 2Do task for your children to complete. For more information on setting 2Dos, [click here](#).  
N.B. You cannot use the collaborative functionality of 2Write, 2Connect and 2Investigate as a 2Do.

### Displayboards:

Any of the activities, resources or tools suggested below can be shared with classmates and/or parents/carers/friends via the Displayboard feature. For more information on creating and managing Displayboards, [click here](#).

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
1.1	We Are Treasure Hunters	Using Programmable Toys	Programming	2Go  Paint Projects	<a href="http://www.purplemash.com/#tools/2go">www.purplemash.com/#tools/2go</a> <ul style="list-style-type: none"> <li>• Use Challenge #1 to guide the fish to the treasure chest</li> <li>• Use the Islands background to find the treasure</li> </ul> <a href="http://www.purplemash.com/#app/pap/nature/islandmap">www.purplemash.com/#app/pap/nature/islandmap</a> <ul style="list-style-type: none"> <li>• Design a treasure island map with a key</li> </ul>
1.2	We Are TV Chefs	Filming The Steps Of A Recipe	Computational Thinking	Mash Cams  2Publish	<a href="http://www.purplemash.com/#app/mashcam/chefcam">www.purplemash.com/#app/mashcam/chefcam</a> <ul style="list-style-type: none"> <li>• Become a chef</li> </ul> <a href="http://www.purplemash.com/#app/tools/2pub/storyboard">www.purplemash.com/#app/tools/2pub/storyboard</a> <ul style="list-style-type: none"> <li>• Plan and draw the steps for making a healthy snack</li> </ul> <a href="http://www.purplemash.com/#app/pup/shoppinglist">www.purplemash.com/#app/pup/shoppinglist</a> <ul style="list-style-type: none"> <li>• Create a shopping list for your healthy snack</li> </ul>

1.3	We Are Painters	Illustrating an eBook	Creativity	2Paint 2Create a Story 2Publish Fairy tales Topic	<a href="http://www.purplemash.com/#tools/2paint">www.purplemash.com/#tools/2paint</a> <ul style="list-style-type: none"> <li>• Draw a picture for your book and write about it</li> </ul> <a href="http://www.purplemash.com/#tools/2cas">www.purplemash.com/#tools/2cas</a> <ul style="list-style-type: none"> <li>• Create an animated eBook with sounds</li> </ul> <a href="http://www.purplemash.com/#app/tools/2pubextra/storybook">www.purplemash.com/#app/tools/2pubextra/storybook</a> <ul style="list-style-type: none"> <li>• Design and illustrate your own story book</li> <li>• Children can upload saved images or use clipart</li> </ul> <a href="http://www.purplemash.com/#tab/themes/fairy_tales">www.purplemash.com/#tab/themes/fairy_tales</a> <ul style="list-style-type: none"> <li>• Explore the fairy tale paint projects and writing projects</li> </ul>
1.4	We Are Collectors	Finding Images Using The Web	Computer Networks	Searching For Images  Internet Research  Sorting images into groups	<a href="http://www.purplemash.com/#pup/imagesearch">www.purplemash.com/#pup/imagesearch</a> <ul style="list-style-type: none"> <li>• Discuss how to find images online and the possible safety concerns</li> </ul> <a href="http://www.purplemash.com/#pup/internetresearch">www.purplemash.com/#pup/internetresearch</a> <ul style="list-style-type: none"> <li>• Discuss how the internet can be used to research different topics</li> </ul> <a href="http://www.purplemash.com/site#app/tools/2diy/Grouping">www.purplemash.com/site#app/tools/2diy/Grouping</a> <ul style="list-style-type: none"> <li>• Use clipart or upload images to create a grouping game for your pupils</li> </ul> <a href="http://www.purplemash.com/#app/tools/2pub/storyboard">www.purplemash.com/#app/tools/2pub/storyboard</a> <ul style="list-style-type: none"> <li>• Create a bespoke clipart selection of images for children to sort into labelled groups</li> <li>• See guide on how to customise clipart: <a href="http://www.purplemash.com/app/videos/teachermodepublishing">www.purplemash.com/app/videos/teachermodepublishing</a></li> </ul>
1.5	We Are Storytellers	Producing A Talking Book	Communication / Collaboration	2Create a Story	<a href="http://www.purplemash.com/#tools/2cas">www.purplemash.com/#tools/2cas</a> <ul style="list-style-type: none"> <li>• Use the sound options to record your own voice, an instrumental soundscape or use built-in sounds</li> </ul>
1.6	We Are Celebrating	Creating A Card Electronically	Productivity	2Paint 2Publish  2Publish Plus  Use a premade celebration card:	<a href="http://www.purplemash.com/#app/tools/2paint">www.purplemash.com/#app/tools/2paint</a> <ul style="list-style-type: none"> <li>• Design a card and write a simple message</li> </ul> <a href="http://www.purplemash.com/#app/tools/2pub/celebrationcard">www.purplemash.com/#app/tools/2pub/celebrationcard</a> <ul style="list-style-type: none"> <li>• Design and create a card using the card template – print, fold and send to your friends or family</li> </ul> <a href="http://www.purplemash.com/#app/pup/Blank_greetingcard">www.purplemash.com/#app/pup/Blank_greetingcard</a> <a href="http://www.purplemash.com/#app/pup/Blank_invitation">www.purplemash.com/#app/pup/Blank_invitation</a> <ul style="list-style-type: none"> <li>• Create an invitation to your party or a card</li> </ul> <a href="http://www.purplemash.com/#app/pup/christmas_card">www.purplemash.com/#app/pup/christmas_card</a> <a href="http://www.purplemash.com/#app/pup/mothersday_card">www.purplemash.com/#app/pup/mothersday_card</a> <a href="http://www.purplemash.com/#app/pup/Fathersday_card">www.purplemash.com/#app/pup/Fathersday_card</a>

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
2.1	We Are Astronauts	Programming On Screen	Programming	2Go  2Code – Free Code Scenes  2Code - Free Code - Chimp	<a href="http://www.purplemash.com/#tools/2go">www.purplemash.com/#tools/2go</a> <ul style="list-style-type: none"> <li>Use the space background to move a rocket around in space – or create your own</li> </ul> <a href="http://www.purplemash.com/app/code/openended/freecodescenes">www.purplemash.com/app/code/openended/freecodescenes</a> <ul style="list-style-type: none"> <li>Make your own space scene come alive with code</li> </ul> <a href="http://www.purplemash.com/app/code/openended/freecodechimp">www.purplemash.com/app/code/openended/freecodechimp</a> <ul style="list-style-type: none"> <li>Create your own game using the space background and add some rockets, aliens or astronauts</li> <li>There are lesson plans here: <a href="http://www.purplemash.com/#app/lessonplans/2c_y2_lp">www.purplemash.com/#app/lessonplans/2c_y2_lp</a></li> </ul>
2.2	We Are Games Testers	Exploring How Computer Games Work	Computational Thinking	Maths games  2Code – Free Code - Chimp  2DIY: Games  2DIY 3D	<a href="http://www.purplemash.com/#tab/games">www.purplemash.com/#tab/games</a> <ul style="list-style-type: none"> <li>Play the maths games to test and reflect on how games work</li> <li>Create your own games, send them to a Display board then play your friend's games</li> <li>Work out the rules to each other's games</li> <li>Give feedback – how could you make this game better?</li> </ul> <a href="http://www.purplemash.com/app/code/openended/freecodechimp">www.purplemash.com/app/code/openended/freecodechimp</a> <ul style="list-style-type: none"> <li>Create a game with your own background, characters and actions</li> </ul> <a href="http://www.purplemash.com/#tab/tools/2diy">www.purplemash.com/#tab/tools/2diy</a> <ul style="list-style-type: none"> <li>Create a game using Catching, Collecting, Journey, Platform, Snake or Maze. Use Levels to combine your 2DIY games.</li> </ul> <a href="http://www.purplemash.com/#tab/tools/2diygaming">www.purplemash.com/#tab/tools/2diygaming</a> <ul style="list-style-type: none"> <li>Create a 3D maze game</li> </ul>
2.3	We Are Photographers	Taking, Selecting And Editing Digital Images	Creativity	Topics 2Publish 2Publish Plus	<ul style="list-style-type: none"> <li>Many activities allow import of own pictures with the ability to crop via zooming</li> <li>Upload your own photographs into a publishing project, a game, a coding and many other tools and activities</li> <li>Add your images to ClipArt, Click on the Purple Plus</li> </ul>  

2.4	We Are Researchers	Researching A Topic	Computer Networks	Effective Searching On The Internet 2Connect	<a href="http://www.purplemash.com/site#pup/howwesearch">www.purplemash.com/site#pup/howwesearch</a> <ul style="list-style-type: none"> <li>• Discuss how to search the internet effectively</li> <li>• Some topics have slide shows with information e.g. Stone Age</li> </ul> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>• Create a mind map of questions and information on your topic</li> <li>• Add links to your research websites</li> <li>• Use the Presentation functionality of 2Connect to present your research to the class</li> </ul>
2.5	We Are Detectives	Communicating Clues	Communication / Collaboration	2Email  2Connect 2Write	<a href="http://www.purplemash.com/#tab/tools/2email">www.purplemash.com/#tab/tools/2email</a> <ul style="list-style-type: none"> <li>• Using 2Respond pupils can read and reply to emails, work with attachments</li> <li>• Using 2Email, teachers can create a character to send and receive emails to and from pupils</li> <li>• Send and receive from your friends within the safety of Purple Mash (teachers need to allow emailing within the class – see 2Email settings)</li> </ul> <a href="http://www.purplemash.com/#app/lessonplans/info/2Email_Guide_pdf">www.purplemash.com/#app/lessonplans/info/2Email_Guide_pdf</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a> <ul style="list-style-type: none"> <li>• Use the collaborative features of 2Connect and 2Write to collect and share clues</li> </ul>
2.6	We Are Zoologists	Recording Bug Hunt Data	Productivity	2Count 2Graph 2Investigate  2DIY Grouping 2Question	<a href="http://www.purplemash.com/#tools/2count">www.purplemash.com/#tools/2count</a> <ul style="list-style-type: none"> <li>• Create a pictograph to show how many bugs you found – add photos of your own</li> </ul> <a href="http://www.purplemash.com/#jsapps/graph">www.purplemash.com/#jsapps/graph</a> <ul style="list-style-type: none"> <li>• Graph the results of your bug hunt</li> </ul> <a href="http://www.purplemash.com/#tools/2inv">www.purplemash.com/#tools/2inv</a> <ul style="list-style-type: none"> <li>• Create a collaborative database about the bugs you have found</li> <li>• Use the premade ‘Minibeasts’ database, add your own bugs</li> </ul> <ul style="list-style-type: none"> <li>• Find, sort, group, arrange and graph the data</li> </ul> <a href="http://www.purplemash.com/#tools/2diy/Grouping">www.purplemash.com/#tools/2diy/Grouping</a> <ul style="list-style-type: none"> <li>• Classify your bugs into different groups</li> </ul> <a href="http://www.purplemash.com/#app/tools/2question">www.purplemash.com/#app/tools/2question</a> <ul style="list-style-type: none"> <li>• Create a branching database to show how you would classify and group your bugs</li> </ul>

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
3.1	We Are Programmers	Programming An Animation	Programming	2Publish (Storyboard) 2Animate 2Code – Free Code - Gibbon 2Blog	<a href="http://www.purplemash.com/#app/tools/2pubextra/storyboard">www.purplemash.com/#app/tools/2pubextra/storyboard</a> <ul style="list-style-type: none"> <li>Plan your animation in a storyboard</li> <li>You can print a storyboard for children to complete offline</li> </ul> <a href="http://www.purplemash.com/#app/tools/animate">www.purplemash.com/#app/tools/animate</a> <ul style="list-style-type: none"> <li>Plan your animation in 2Animate</li> <li>Draw and modify your character on each slide, add a background, sound and text</li> </ul> <a href="http://www.purplemash.com/app/code/openended/freecodegibbon">www.purplemash.com/app/code/openended/freecodegibbon</a> <ul style="list-style-type: none"> <li>Create backgrounds and characters in your own animation in Gibbon free code</li> <li>Share to a Display board – play and feedback on each other’s games</li> <li>There are lesson plans here:  <a href="http://www.purplemash.com/#app/lessonplans/2c_y3_lp">www.purplemash.com/#app/lessonplans/2c_y3_lp</a>  <a href="http://www.purplemash.com/#app/link/2blog">www.purplemash.com/#app/link/2blog</a> </li> <li>Blog about developing your animation – include a link to your animation</li> </ul>
3.2	We Are Bug Fixers	Finding And Correcting Bugs In Programs	Computational Thinking	2Code - Free Code – Gibbon 2Code - Debug Challenges – Gibbon	<a href="http://www.purplemash.com/app/code/openended/freecodegibbon">www.purplemash.com/app/code/openended/freecodegibbon</a> <ul style="list-style-type: none"> <li>Identify and debug your own animations or games in Gibbon free code</li> </ul> <a href="http://www.purplemash.com/app/code/debug_challenges/2codedebbuggibbon">www.purplemash.com/app/code/debug_challenges/2codedebbuggibbon</a> <ul style="list-style-type: none"> <li>Find and correct the bugs in these Gibbon debugging challenges</li> </ul>
3.3	We Are Presenters	Videoining Performance	Creativity	2Publish (Storyboard)	<a href="http://www.purplemash.com/#app/tools/2pubextra/storyboard">www.purplemash.com/#app/tools/2pubextra/storyboard</a> <ul style="list-style-type: none"> <li>Plan your video in a storyboard</li> <li>You can print a storyboard for children to complete offline</li> </ul>
3.4	We Are Network Engineers	Exploring Computer Networks, Including the Internet	Computer Networks	Computer Networks	<a href="http://www.purplemash.com/#games/2diy/Computer_networks">www.purplemash.com/#games/2diy/Computer_networks</a>

3.5	We Are Communicators	Communicating Safely On The Internet	Communication/ Collaboration	<p>2Respond</p> <p>2Respond Creator</p> <p>2Email</p> <p>Internet Safety</p> <p>E-Safety Leaflet</p>	<p><a href="http://www.purplemash.com/#tab/tools/2email">www.purplemash.com/#tab/tools/2email</a></p> <ul style="list-style-type: none"> <li>• Practise reading and replying to emails from a variety of characters</li> <li>• 2Respond activities generate automatic responses for pupils to reply to</li> </ul> <p><a href="http://www.purplemash.com/app/links/2respondcreator#">www.purplemash.com/app/links/2respondcreator#</a></p> <ul style="list-style-type: none"> <li>• Teachers - create your own automatic response email activity</li> <li>• Pupils will receive and respond to, emails from a variety of characters</li> </ul> <p><a href="http://www.purplemash.com/#tab/tools/2email">www.purplemash.com/#tab/tools/2email</a></p> <ul style="list-style-type: none"> <li>• Practice composing, sending and responding to emails to/from other Purple Mash users in your class</li> <li>• Teachers manage the email settings to determine who pupils can email and whether their emails require approval</li> <li>• Attach files, pictures</li> <li>• Pupils can report an email to teacher</li> </ul> <p><a href="http://www.purplemash.com/site#games/2diy/Internetsafety">www.purplemash.com/site#games/2diy/Internetsafety</a>  <a href="http://www.purplemash.com/#pup/videowatch">www.purplemash.com/#pup/videowatch</a></p> <ul style="list-style-type: none"> <li>• Discuss what to do if you see an upsetting video</li> </ul> <p><a href="http://www.purplemash.com/#leaflets/esafety">www.purplemash.com/#leaflets/esafety</a></p> <ul style="list-style-type: none"> <li>• Create an eSafety leaflet</li> </ul> <p><a href="http://www.purplemash.com/#pup/socialnetwork">www.purplemash.com/#pup/socialnetwork</a></p> <ul style="list-style-type: none"> <li>• Are children too young to be on a social network?</li> </ul> <p><a href="http://www.purplemash.com/#pup/friendbookparty">www.purplemash.com/#pup/friendbookparty</a></p> <ul style="list-style-type: none"> <li>• A child has posted details of her party on a social network page</li> </ul> <p><a href="http://www.purplemash.com/#pup/onlinegame">www.purplemash.com/#pup/onlinegame</a></p> <ul style="list-style-type: none"> <li>• Should Tony meet up with a gamer he has met online?</li> </ul> <p><a href="http://www.purplemash.com/#pup/socialnetworkdebate">www.purplemash.com/#pup/socialnetworkdebate</a></p> <ul style="list-style-type: none"> <li>• Have a class debate on whether children should use social networking sites</li> <li>• Record your for and against arguments using the 'Argument' template in 2Connect <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a></li> </ul>
-----	----------------------	--------------------------------------	------------------------------	--	--

3.6	We Are Opinion Pollsters	Collecting And Analysing Data	Productivity	<p>2Connect 2Write</p> <p>2Graph</p> <p>2Investigate</p> <p>2Calculate</p>	<p><a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a></p> <ul style="list-style-type: none"> <li>• Use the collaborative features of 2Connect and 2Write to brainstorm your survey questions</li> </ul> <p><a href="http://www.purplemash.com/#jsapps/graph">www.purplemash.com/#jsapps/graph</a></p> <ul style="list-style-type: none"> <li>• Create a frequency table based on your opinion poll or survey</li> <li>• Graph and analyse the results</li> </ul> <p><a href="http://www.purplemash.com/#tools/2inv">www.purplemash.com/#tools/2inv</a></p> <ul style="list-style-type: none"> <li>• Create a database of your survey/opinion poll responses</li> <li>• Sort, group, arrange, graph and create statistical analyses of the results</li> </ul> <p><a href="http://www.purplemash.com/#app/tools/2Calculate">www.purplemash.com/#app/tools/2Calculate</a></p> <ul style="list-style-type: none"> <li>• Record your survey results in a spreadsheet, graph and analyse the results</li> </ul>
-----	--------------------------	-------------------------------	--------------	--	--

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
4.1	We Are Software Developers	Developing A Simple Educational Game	Programming	2Diy 3D  2Code – Coding Principles  2Code - Free Code – Gibbon  Displayboards  2Blog	<a href="http://www.purplemash.com/#/tools/2diygaming">www.purplemash.com/#/tools/2diygaming</a> <ul style="list-style-type: none"> <li>• create a 3D maze game</li> </ul> <a href="http://www.purplemash.com/app/code/codeprinciples/countingmachines1">www.purplemash.com/app/code/codeprinciples/countingmachines1</a> <ul style="list-style-type: none"> <li>• Learn how to create a number sequence program</li> </ul> <a href="http://www.purplemash.com/app/code/codeprinciples/calculationmachines1">www.purplemash.com/app/code/codeprinciples/calculationmachines1</a> <ul style="list-style-type: none"> <li>• Learn how to create a calculation machine</li> </ul> <a href="http://www.purplemash.com/app/code/openended/freecodegibbon">www.purplemash.com/app/code/openended/freecodegibbon</a> <ul style="list-style-type: none"> <li>• Create and debug your own game using variables in Gibbon free code</li> <li>• Share to a Display board – play and feedback on each other’s games</li> <li>• There are lesson plans here: <a href="http://www.purplemash.com/#app/lessonplans/2c_y4_lp">www.purplemash.com/#app/lessonplans/2c_y4_lp</a></li> </ul> <a href="http://www.purplemash.com/#app/link/2blog">www.purplemash.com/#app/link/2blog</a> <ul style="list-style-type: none"> <li>• Blog about developing your game – include a link to your game</li> </ul>
4.2	We Are Toy Designers	Prototyping An Interactive Toy	Computational Thinking	2Write 2Connect  2Publish Plus: Sketch Book	<a href="http://www.purplemash.com/#jsapps/write">www.purplemash.com/#jsapps/write</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>• Use the collaborative functionality of 2Write and 2Connect to brainstorm and share ideas on developing a toy</li> </ul> <a href="http://www.purplemash.com/#app/pup/Blank_sketchbook">www.purplemash.com/#app/pup/Blank_sketchbook</a> <ul style="list-style-type: none"> <li>• Present your information in a booklet or sketchbook</li> </ul>
4.3	We Are Musicians	Producing Digital Music	Creativity	2Beat  2Sequenece	<a href="http://www.purplemash.com/#app/tools/2beat">www.purplemash.com/#app/tools/2beat</a> <ul style="list-style-type: none"> <li>• Compose a rhythm soundtrack using different kick drum, snare, hi-hat and percussion sounds</li> </ul> <a href="http://www.purplemash.com/#app/tools/2seq">www.purplemash.com/#app/tools/2seq</a> <ul style="list-style-type: none"> <li>• Compose a soundscape using different instruments,</li> <li>• Record or upload your own sounds</li> <li>• Export your soundtrack as an MP3 and upload into other music making software</li> </ul>



4.4	We Are Html Editors	Editing And Writing Html	Computer Networks		<a href="http://www.purplemash.com/#app/games/2diy/Computer_networks">www.purplemash.com/#app/games/2diy/Computer_networks</a> <ul style="list-style-type: none"> <li>Label the network in this diagram to show how your school and home are connected to the internet</li> </ul>
4.5	We Are Co-Authors	Producing A Wiki	Communication / Collaboration	2Write 2Connect  2Blog	<a href="http://www.purplemash.com/#jsapps/write">www.purplemash.com/#jsapps/write</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>Use the collaborative functionality of 2Write and 2Connect to brainstorm and share ideas on developing a wiki</li> </ul> <a href="http://www.purplemash.com/#app/link/2blog">www.purplemash.com/#app/link/2blog</a> <ul style="list-style-type: none"> <li>Use 2Blog to create and share a wiki on your chosen topic</li> <li>Include links to your 2Connect document and/or other Purple Mash work</li> <li>Teachers create a class blog, decide who can see, post or comment</li> <li>Share your wiki blog with other classes and/or friends/family</li> <li>How to use 2Blog: <a href="http://www.purplemash.com/manuals/2blog/index.html">www.purplemash.com/manuals/2blog/index.html</a></li> </ul>
4.6	We Are Meteorologists	Presenting The Weather	Productivity	2Graph  2Investigate	<a href="http://www.purplemash.com/#jsapps/graph">www.purplemash.com/#jsapps/graph</a> <ul style="list-style-type: none"> <li>Create a line graph of weather conditions across a day or a week</li> </ul> <a href="http://www.purplemash.com/#app/tools/2inv">www.purplemash.com/#app/tools/2inv</a> <ul style="list-style-type: none"> <li>Create a database of different weather conditions</li> <li>Add your own fields and records</li> <li>Find, sort, group, arrange, graph the data and extract statistical reports</li> </ul>

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
5.1	We Are Game Developers	Developing An Interactive Game	Programming	<p>2Publish (Storyboard)</p> <p>2DIY 3D</p> <p>2Code – Free Code scenes</p> <p>2Code - Free Code - Gorilla</p> <p>Displayboards</p> <p>2Blog</p>	<p><a href="http://www.purplemash.com/#app/tools/2pubextra/storyboard">www.purplemash.com/#app/tools/2pubextra/storyboard</a></p> <ul style="list-style-type: none"> <li>Plan the algorithm for your game as a series of scenes on a storyboard</li> <li>You can print a storyboard for children to complete offline</li> </ul> <p><a href="http://www.purplemash.com/#/tools/2diygaming">www.purplemash.com/#/tools/2diygaming</a></p> <ul style="list-style-type: none"> <li>Design, play and share a 3D maze game</li> <li>Create 'baddies' to avoid and 'goodies' to collect</li> </ul> <p><a href="http://www.purplemash.com/app/code/openended/freecodescenes">www.purplemash.com/app/code/openended/freecodescenes</a></p> <ul style="list-style-type: none"> <li>Use the pre-made scenes to get started on your game</li> <li>Choose or design your own characters</li> </ul> <p><a href="http://www.purplemash.com/app/code/openended/freecodegibbon">www.purplemash.com/app/code/openended/freecodegibbon</a></p> <ul style="list-style-type: none"> <li>Create and debug your own game in Gorilla free code</li> <li>Design your own backgrounds and characters and record backing music</li> <li>There are lesson plans here: <a href="http://www.purplemash.com/#app/lessonplans/2c_y5_lp">www.purplemash.com/#app/lessonplans/2c_y5_lp</a></li> <li>Share to a Displayboard – play and feedback on each other's games</li> </ul> <p><a href="http://www.purplemash.com/#app/link/2blog">www.purplemash.com/#app/link/2blog</a></p> <ul style="list-style-type: none"> <li>Blog about developing your game – include a link to your game</li> </ul>
5.2	We Are Cryptographers	Cracking Codes	Computational Thinking	<p>How to stay safe online</p> <p>Keeping Passwords Safe</p>	<p><a href="http://www.purplemash.com/#app/games/2diy/Internet_safety">www.purplemash.com/#app/games/2diy/Internet_safety</a></p> <ul style="list-style-type: none"> <li>Sort which online behaviours are safe and unsafe</li> </ul> <p><a href="http://www.purplemash.com/#app/leaflets/esafety">www.purplemash.com/#app/leaflets/esafety</a></p> <ul style="list-style-type: none"> <li>Create a leaflet on how to stay safe online</li> </ul> <p><a href="http://www.purplemash.com/#app/pup/passwords">www.purplemash.com/#app/pup/passwords</a></p> <ul style="list-style-type: none"> <li>Create a poster about the importance of having a secure password</li> </ul>

5.3	We Are Artists	Fusing Geometry And Art	Creativity	2Go  Logo  2Paint a Picture  2Design and Make	<a href="http://www.purplemash.com/#app/tools/2go">www.purplemash.com/#app/tools/2go</a> <ul style="list-style-type: none"> <li>• Create and share your own geometric patterns and tessellations using the programming elements in 2Go</li> </ul> <a href="http://www.purplemash.com/#tools/logo">www.purplemash.com/#tools/logo</a> <ul style="list-style-type: none"> <li>• Create and share your own geometric patterns and tessellations using commands, angles, repetition and sequences in Logo</li> <li>• Print out your patterns and colour them in</li> </ul> <a href="http://www.purplemash.com/app/tools/2paintapic">www.purplemash.com/app/tools/2paintapic</a> <ul style="list-style-type: none"> <li>• Explore pattern using the range of painting tools in particular Pattern, Slice, Lines and eCollage.</li> </ul> <a href="http://www.purplemash.com/#app/tools/2dam">www.purplemash.com/#app/tools/2dam</a> <ul style="list-style-type: none"> <li>• Create 3D shapes and design your own patterns using the pattern fill tool</li> </ul>
5.4	We Are Web Developers	Creating A Website About Cyber Safety	Computer Networks	How We Search  2Publish Plus: Blank Web Page	<a href="http://www.purplemash.com/#pup/howwesearch">www.purplemash.com/#pup/howwesearch</a> <ul style="list-style-type: none"> <li>• Explore how to search effectively online using this writing template</li> </ul> <a href="http://www.purplemash.com/#app/pup/Blank_webpage">www.purplemash.com/#app/pup/Blank_webpage</a> <ul style="list-style-type: none"> <li>• Design your webpage using this template (you can also print and use offline)</li> </ul>
5.5	We Are Bloggers	Sharing Experiences And Opinions	Communication / Collaboration	2Write and 2Connect       2Blog	<a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>• Use the collaborative functionality of 2 write and/or 2Connect to brainstorm and share ideas to plan your blog</li> </ul> <a href="http://www.purplemash.com/#app/link/2blog">www.purplemash.com/#app/link/2blog</a> <ul style="list-style-type: none"> <li>• Teachers create a class blog, decide who can see, post or comment</li> <li>• Pupils can create individual blogs that are private</li> <li>• Share your blog with other classes and/or friends/family</li> <li>• Create a blog post, add images, comment on posts</li> <li>• How to use 2Blog:  <a href="https://www.purplemash.com/#app/guides/2Blog_pdf_Guide">https://www.purplemash.com/#app/guides/2Blog_pdf_Guide</a> </li> </ul>
5.6	We Are Architects	Creating A Virtual Space	Productivity	2Design And Make	<a href="http://www.purplemash.com/#tools/2dam">www.purplemash.com/#tools/2dam</a> <ul style="list-style-type: none"> <li>• Create sculptures using 2Design and Make – print as a 2D Net and fold into 3D shape or on a 3D printer</li> <li>• Create furniture for your space – add extra points to a prism template</li> </ul>

Unit	Title	Unit Summary	Computing POS Summary	Purple Mash Resources to Support unit	
6.1	We Are App Planners	Planning the creation of a mobile app	Programming	2Write 2Connect  Game Planner	<a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>Use the collaborative functionality of 2 write and/or 2Connect to brainstorm and share ideas to plan your app</li> </ul> <a href="http://www.purplemash.com/#app/pup/2codeplanner02">www.purplemash.com/#app/pup/2codeplanner02</a> <ul style="list-style-type: none"> <li>Plan your app game using this Game planner</li> </ul>
6.2	We Are Project Managers	Developing project management skills	Computational Thinking	2Write (To Create the Survey)  2Connect	<a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a>  <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a> <ul style="list-style-type: none"> <li>Use the collaborative functionality of 2 write and/or 2Connect to brainstorm and share ideas to plan your Yearbook</li> </ul>
6.3	We Are Market Researchers	Researching the app market	Productivity	2Investigate (To Collate the Answers And Present The Results) 2Graph (To Present Results) 2Calculate	<a href="http://www.purplemash.com/#tools/2inv">www.purplemash.com/#tools/2inv</a> <a href="http://www.purplemash.com/#jsapps/graph">www.purplemash.com/#jsapps/graph</a> <a href="http://www.purplemash.com/#app/tools/2Calculate">http://www.purplemash.com/#app/tools/2 Calculate</a>
6.4	We Are Interface Designers	Designing an interface for an app	Communication / Collaboration	2Publish Plus – Blank Template	<a href="http://www.purplemash.com/#app/pup/blank_template">www.purplemash.com/#app/pup/blank_template</a> <ul style="list-style-type: none"> <li>Create your own Yearbook adding your own images, text and sound options in this blank template. This template could be used in teacher mode to prepare a template that includes a checklist of tailored writing tips and then set as a 2do for the class.</li> </ul>

6.5	We Are App Developers	Developing a simple mobile phone app	Programming	2Code - Gorilla 2Code - Free Code - Gorilla	<a href="http://www.purplemash.com/site#tab/pm-home/tools/2code_lessons">www.purplemash.com/site#tab/pm-home/tools/2code_lessons</a> <a href="http://www.purplemash.com/app/code/openended/freecodegorilla">www.purplemash.com/app/code/openended/freecodegorilla</a>
6.6	We Are Marketers	Creating video and web copy for a mobile phone app	Creativity	2Write (To Brainstorm Ideas) 2Publish – Storyboard  2Sequence	<a href="http://www.purplemash.com/#jsapps/write">www.purplemash.com/#jsapps/write</a>  <a href="http://www.purplemash.com/#app/tools/2pubextra/storyboard">www.purplemash.com/#app/tools/2pubextra/storyboard</a> • Plan using this storyboard <a href="http://www.purplemash.com/#app/tools/2seq">www.purplemash.com/#app/tools/2seq</a> Create a musical sound track