LEARNING ACTIVITIES FOR THE SUMMER HOLIDAYS

SUBJECT	ONLINE ACTIVITIES
English	Serial Mash Serial Mash contains a range of fiction books. The books are serialized with a chapter appearing each day on a weekly basis. After reading the chapter, supporting resources provide an opportunity for the children to answer comprehension questions, sequence the chapter, develop Spelling and Grammar skills, answer open ended questions and complete an extended writing task. https://www.purplemash.com/site#tab/pm-home/serialmash Text Toolkit Grammar Games Suite of tools for making word based activities. Including Cloze, Word Spot, Sentence Pairs, Word Combos and Developing Tray. Games can focus on particular aspects of reading such as root words, prefixes and suffixes. Developing Tray is useful for teaching whole text decoding strategies. https://www.purplemash.com/site#tab/pm-home/themes/literacy/grammar Topic Activities Within the Topic area are many resources that can be used to enhance children's experiences of reading, these include paint projects and writing frames. Some examples use the search facilities for more in specific topics. Author studies https://www.purplemash.com/#tab/pmhome/themes/literacy/authors Myths and Legends https://www.purplemash.com/#tab/pmhome/themes/literacy/mythsandlegends

	The Literacy Collection A collection of KS2 multimedia texts. Illustrations, animations, videos, sound effects, spoken reading and music bring the words to life Glossaries, summaries and activities make the texts easily accessible for all children Each story comes with plans and resources for a two week unit. https://www.purplemash.com/#app/games/litcol Text Toolkit Grammar Games Suite of tools for making word based activities. Includes: Cloze – designed to help children understand sentence structure and composition, developing awareness of punctuation and grammatical techniques to support writing. Word Spot - designed to help children understand and recognise word classes and categorise words within a passage such as nouns, verbs, adjectives and more. Sentence Pairs - explore tense and sentence structure Word Combos - understand sentence structure Developing Tray - decoding on a whole text level. https://www.purplemash.com/site#tab/pmhome/themes/literacy/grammar
Maths	Ready-made activities in https://www.purplemash.com/#tab/pm-home/maths/numbers/numbers_place_value Also look at previous years resources in this area for revision of topics Numbers to 10,000,000 https://www.purplemash.com/#app/pup/mat hs_activities_Y6_large_numbers Rounding https://www.purplemash.com/#app/pup/mat hs_activities_Y6_rounding Rounding spreadsheet

	https://www.purplemash.com/#app/pup/2cal c_rounding
	Number Lines – Placing Numbers https://www.purplemash.com/site#app/pup/ maths_usingnumberlines_L6
	Negative Number Lines https://www.purplemash.com/site#app/pup/ maths_inveverydaysituations2_L6
	Negative Numbers https://www.purplemash.com/site#app/pup/ maths_inveverydaysituations4_L6
	Positive & Negative Integers https://www.purplemash.com/site#app/pup/ maths_inveverydaysituations3_L6
	Negative/Positive https://www.purplemash.com/site#app/pup/ maths_inveverydaysituations1_L6
	Ready-made activities in https://www.purplemash.co m/#tab/pmhome/maths/numbers/numbers_place_value
	Long Division https://www.purplemash.com/#app/pup/mat hs_activities_Y6_long_division
	Common Factors and Primes https://www.purplemash.com/#app/pup/mat hs_activities_Y6_factors
	Multiplication – 2 by 3 Digits https://www.purplemash.com/site#app/pup/ maths_applyingarangestrats2_L6
	Multiplication – multiple digits https://www.purplemash.com/site#app/pup/ maths_applyingarangeofstrategies2_L6

	Missing Numbers (x) https://www.purplemash.com/site#app/pup/ maths_interpretingresults2_L6 Missing Numbers (x & ÷) https://www.purplemash.com/site#app/pup/ maths_interpretingresults1_L6 Multiples of 10 (x & ÷) https://www.purplemash.com/site#app/pup/ maths_multidevdecimal1_L6 Long Multiplication https://www.purplemash.com/#app/pup/mat hs_activities_Y6_long_multiplication Multiplying Decimals https://www.purplemash.com/#app/pup/mat hs_activities_Y6_multiply_decimals Mental Calculations https://www.purplemash.com/#app/pup/mat hs_activities_Y6_mental_calculations Fraction Wall Guide the falling fractions as they drop down from the top of the screen. Position the fractions so they contain a whole. Three levels of challenge that increases the complexity of the numbers used and the speed. 2Calculate Explore formatting as fractions and percentages. Convert to decimals and multiply by 10 or 100. Logo Write instructions of developing complexity to control the on screen turtle using simple logo commands. Ask the children to draw regular shapes and then to draw new shapes with a given scale factor

	2Design and Make Create annotated cuboids using 2Design & Make with size information in the nets; children can calculate the volumes. 2Calculate Spreadsheets Includes premade lesson plans and videos to develop number problem solving skills. Create your own activities including scaled bar charts and tables.
Science	• EXPLAIN THAT UNSUPPORTED OBJECTS FALL TOWARDS THE EARTH BECAUSE OF THE FORCE OF GRAVITY ACTING BETWEEN THE EARTH AND THE FALLING OBJECT. • IDENTIFY THE EFFECTS OF AIR RESISTANCE, WATER RESISTANCE AND FRICTION, THAT ACT BETWEEN MOVING SURFACES. • RECOGNISE THAT SOME MECHANISMS, INCLUDING LEVERS, PULLEYS AND GEARS, ALLOW A SMALLER FORCE TO HAVE A GREATER EFFECT. Forces in Action 1 -(Publishing project -2Publish) http://www.purplemash.co m/#pup/forces Create a graph to show how much force is needed to drag an object over different surfaces. https://www.purplemash.com/#a pp/jsapps/graph Plan a fair test using this publishing resource template. https://www.purplemash.com/#app/pup/fair_test Create a vehicle to see how far it moves down different surfaces. Use 2Design and Make to create the top of the vehicle to go over the chassis. https://www.purplemash.com/#app/tools/2dam

	Forces in Action 2 -(Publishing project -2Publish) http://www.purplemash.com/#pup/forces2 Forces in Action 3 -(Publishing project -2Publish) http://www.purplemash.com/#pup/forces3 Isaac Newton - (Publishing project - 2Publish) https://www.purplemash.com/#app/pup/Isaac_Newton_allabout Types of Forces – Printable https://www.purplemash.com/#app/lessonplans/info/printables_science_forces_types Isaac Newton – 2Respond https://www.purplemash.com/app/2email/2respond/isaacnewton_2respond Create a graph to show how much force is needed to drag an object over different surfaces. https://www.purplemash.com/#a pp/jsapps/graph Plan a fair test using this publishing resource template. https://www.purplemash.com/#a pp/pup/fair_test Create a vehicle to see how far it moves down different surfaces. Use 2Design and Make to create the top of the vehicle to go over the chassis. https://www.purplemash.com/#a pp/tools/2dam Create a mind map to plan an experiment to identify the effects of friction on a moving object. https://www.purplemash.com/#a pp/tools/2Connect

| Other - ICT | Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

Use sequence, selection and repetition in programs; work with variables and various forms of input and output.

Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.

Understand computer networks including the Internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration. |