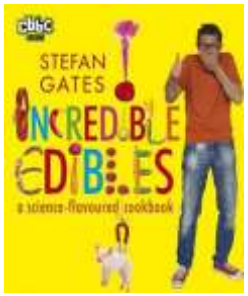
Summer Curriculum web

Class: Amber **Year Groups:** Year 5 and 6 **Term:** Term 3 Summer Term 2023

Topic: Science - Cracking Contraptions

Core Texts:	Topic: Inspire – Immerse– Investigate	Home and School
 	This term we will be exploring some weird and wonderful contraptions, machines and inventions. - We will explore some of the world´s ingenious inventors and their outstanding inventions. - We will work together in groups to create our own wacky inventions to solve a problem or just to make something in life more convenient! - Children will work on their presentation and persuasion skills to promote, market, present, and convince a panel of judges that they have created the best invention! Super starter: Easter project - Cracking Contraption design! Share and show the class how they work!! Marvelous middle: The Science Fair Fantastic finish: Amber class Cracking Contraptions	- Home learning: Spellings are given every Thursday for a spelling test the next Thursday. -Maths home learning is set every Tuesday. These will be glued into their home learning books. -Science or Topic Home learning is set every Thursday. Throughout the term there may be special home learning projects for the children to complete. All home learning is written in their home learning diaries. - Please check Class Dojo for notices and photos from the children's week. Thank you!

	Dragon´s Den with some visiting judges!	
English	Maths	Science
- Non- Fiction: Use a Talk for Writing text ´Cracking Contraptions´ to support us in writing explanation texts about the inner workings of machines, various vehicles and contraptions. - Fiction: Use a Talk for Writing text ´The Ice Bear´ - to inspire our story writing - Non- Fiction: Use the text ´Incredible Edibles´ about some revolting scientific recipes to inspire a humorous approach to instruction writing. - Guided reading with comprehension questions - Weekly spelling - Handwriting - SPAG / Phonics	<u>Fractions:</u> Equivalent fractions, improper fractions to mixed numbers, mixed numbers to improper fractions, number sequences, compare and order, add, subtract and simplify fractions. <u>Number: Decimals and Percentages</u>: Mental decimals up to 2 d.p., decimals as fractions, understand thousandths, rounding decimals, order and compare, understand percentages, percentages as fractions and decimals, percentages of amounts. <u>Geometry:</u> Properties of Shape and Position and direction Describe positions on coordinate grids, Reflection + translation <u>Ratio:</u> Solve problems where the scale factor is known or can be found, sharing and grouping using knowledge of fractions and multiples <u>Algebra:</u> Use simple formulae, linear sequences, missing number problems, algebraic equations, combinations of variables Consolidation of curriculum Times tables and mental arithmetic focus throughout	Science: Identifying scientific evidence that has been used to support or refute ideas or arguments. Planning different types of scientific enquiries to answer questions. Year 5: Complete the study of light and dark. Materials: Compare and group materials based on properties; investigate properties; dissolving to form solutions and how to recover substances; separating mixtures by filtering, evaporating and sieving; comparative and fair testing of everyday materials; changes of state; reversible and irreversible changes. Plan different types of scientific enquiries to answer questions. Identify scientific evidence that has been used to support or refute ideas or arguments. Plan and prepare for the school science fair. Year 6: - Plan and prepare for the school science fair. -Forces and motion (Mass and weight, balanced and unbalanced forces, forces and energy, friction, air resistance) - Electrical conductors and insulators
Portuguese	Computing	PSHE
- Science related vocabulary - Poems and Portuguese poets - Building sentences	- Spreadsheet Skills - Data Recording and Manipulation - Digital Art and Media Skills - Recording voice and video Coding Skills - (Y5 Block coding Scratch) (Y6 Python) eSafety Skills - Google Interland	- Continue to work on our school values; how we can build on growing the skills of resilience, respect, kindness and reflection in everything we do in and outside the classroom -Sex Education - our changing bodies (age appropriate) - Focus on social interactions and problem solving strategies - Continue to discuss what's going well in class? What could we change/improve? - Feelings check in
Art and Design	Agriculture	PE
Creating a fiction - picture story	Continuing to improve the soil in our garden, using self-	- Gymnastics

Handcrafting kinetic toys Surreal painting Copying a work of art	made compost and fertilizer Planting summer crops, seedings Improving our surroundings and paths	- Athletics - Beach Volleyball - Swimming
Mindfulness	Music	Drama
Social, emotional intelligence; how can we use mindfulness meditation to develop our understanding and knowledge of ourselves Mental Health Awareness	- Cymatic: Science of the Sound. How sound works and how it affects us more than we think - Music Styles, Culture and Social Influence - Body percussion and ear training	- Read together the poem "Mechanical Meagerie" by X.J.Kennedy - Devise a physical re-enactment together of the poem. - As a group, create an inventing machine together using our bodies as the mechanisms for the machine. The class can choose various incredible things to create in their machines.