



# Year 3 - Spring Term 1 - Mad Science (Science Focus)

**English-Key Texts:** Frankenstein-Usborne Young Reader Series  
**Writing Genres:** Description, Letters, Story Writing, Diary Writing  
**N/C OBJECTIVES:**  
**Plan their writing by:**  
 ... discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar  
 ...discussing and recording ideas  
**Draft and write by:**  
 ...composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures ...organising paragraphs around a theme... in narratives, creating settings, characters and plot... in non-narrative material, using simple organisational devices [for example, headings and sub-headings]  
**Evaluate and edit by:** ...assessing the effectiveness of their own and others' writing and suggesting improvements... proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences ... proof-read for spelling and punctuation errors  
**Spelling: Activities to promote correct spelling and understanding of words with the prefixes and suffixes**  
**N/C OBJECTIVES:** - to use further prefixes and suffixes, to spell further homophones  
**Handwriting: focusing on correctly joining ll, u, i, v,**  
**N/C OBJECTIVES:** - use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left un joined, increase the legibility, consistency and quality of handwriting

**Maths**  
 A Year 3 study of addition and subtraction, then moving onto exploring multiplication and division.  
**N/C OBJECTIVES:**  
 Add and subtract numbers mentally, including a three-digit number and 100s.  
 Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction.  
 Estimate the answer to a calculation and use inverse operations to check answers.  
 Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction  
 Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.  
 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods  
 Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems.

**Music - Charanga unit - Glockenspiels**  
**N/C OBJECTIVES**  
 Playing instruments with increasing accuracy, fluency and control. Use and understand staff and other musical notations.

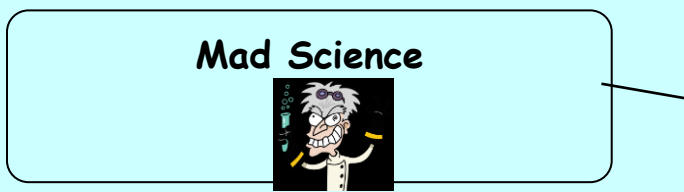
**MFL - All About Me**  
 Initiate and sustain conversations; ask and answer questions; speak in sentences using familiar vocabulary; develop accurate pronunciation.

**History**  
 To understand chronology and be able to place the years of birth of famous Scientists on a timeline. To research and understand how the findings of Scientists from the past have influenced modern medicine today. Focus on women in Science.  
**N/C OBJECTIVES:**  
 Develop a chronologically secure knowledge and understanding of world History. Understand that our knowledge of the past is constructed from a range of sources.

**Geography**  
 Using maps to locate where famous Scientists from the past were from.  
**N/C OBJECTIVES:**  
 Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

**PE-Dance with Mr Boylan**  
 Focussing on the work of Sir Isaac Newton with a focus on Newton's laws.  
**N/C OBJECTIVES:**  
 Perform dances using a range of movement patterns. Develop flexibility, strength, technique, control and balance.

**Science - Mad Science**  
 Working scientifically to conduct a range of different experiments. To change variables and observe the changes that these affect.  
**N/C OBJECTIVES:**  
 ... ask relevant questions and use different types of scientific enquiry to answer them; use straightforward scientific evidence to answer questions or support findings; make observations and measurements using a range of equipment including thermometers; use results to draw simple conclusions, make predictions, suggest improvements and raise further questions; record findings using diagrams, bar charts and tables.



**Computing -... Spreadsheets and internet safety focuses.**  
**N/C OBJECTIVES:** select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

**PHSCE**  
 Amazing Grace book, 1 page per week covering objectives to be taken from the core themes document, weekly tasks and discussion to be recorded on seesaw.

**RE**  
 Looking various creation stories and making links to similarities and differences between them and the world we live in today  
**N/C OBJECTIVES:**  
 Calderdale agreed syllabus.  
 Unit: 3.2  
 What do Creation stories tell us about our World?

**Maths Creativity Link**  
 Making a bar chart to represent the types of fingerprints in each class.

**English Creativity Link**  
 Instructional writing for our Science experiments.

**The Arts Core Subject Link**  
 Sketching Frankenstein's Monster from a description.

**UNCRC:**  
 We will study Articles 4, 7, 8, 17, 24, 25, 26, 27, 28, 40  
 We will focus on the values of friendship, hope, love and patience

**SMSC/ British Values**  
 Democracy  
 The rule of law  
 Individual liberty  
 We will be having class discussions about how laws have changed over time.