



Year 4

## Core Learning Links

Information in this document is aimed to support children throughout **Autumn 2 half term** in Year 4.

### Mathematics

Mathletics: <https://login.mathletics.com>



Times Tables Rock Stars: <https://trockstars.com/>

#### **Focus on Length and Perimeter:**

- Measuring and comparing length in mixed units (cm and mm)  
<https://classroom.thenational.academy/lessons/measuring-and-comparing-length-in-mixed-units-cm-and-mm-64r64c?step=1&activity=video>
- Converting metric measures <https://www.bbc.co.uk/bitesize/topics/z4nsgk7/articles/zqf4cw8>
- Calculating the perimeters of shapes in m and cm  
<https://classroom.thenational.academy/lessons/calculating-the-perimeters-of-shapes-in-m-and-cm-6ngkj?step=2&activity=video>
- Applying problem solving strategies to length <https://classroom.thenational.academy/lessons/applying-problem-solving-strategies-to-length-70u6ac?step=1&activity=video>
- Length and perimeter application lesson <https://classroom.thenational.academy/lessons/length-and-perimeter-application-lesson-6mtkc?step=1&activity=video>

#### **Focus on Multiplication and Division:**

- Multiplying and dividing by 0, 1, 10 and 100  
<https://www.bbc.co.uk/bitesize/topics/z36tyrd/articles/z2fkwx8>
- Recalling the 3 times table <https://classroom.thenational.academy/lessons/recalling-the-3-times-table-c8tp4d>
- Using doubles to solve multiplications <https://classroom.thenational.academy/lessons/using-doubles-to-multiply-cdjkr?step=1&activity=video>
- Using bar models to represent word problems  
<https://classroom.thenational.academy/lessons/using-bar-models-to-represent-word-problems-70r30c?step=2&activity=video>
- Focus on developing your 3,6,9 and 7 times tables on

#### **White Rose:**

<https://whiterosemaths.com/homelearning/year-4/>



# English



Purple Mash: <https://www.purplemash.com/sch/stjamesb90>

Phonics Play: <https://www.phonicsplay.co.uk/> (username: march20, password: home)

Phonics Bloom: <https://www.phonicsbloom.com/> (use free resources)



## **BBC Bitesize**

These Primary 'Catch-Up Lessons' use videos and follow up activities to support the learning of these core skills:

### **Reading**

Reading Shakespeare <https://www.bbc.co.uk/bitesize/articles/zn2x8hv>

Fiction and non-fiction <https://www.bbc.co.uk/bitesize/articles/z7n4ydm>

Understanding recounts <https://www.bbc.co.uk/bitesize/articles/zkpvbmdm>

Fact and opinion <https://www.bbc.co.uk/bitesize/articles/zn4dqp3>

### **Writing**

Writing instructions <https://www.bbc.co.uk/bitesize/articles/zfxkg7h>

Using similes and metaphors <https://www.bbc.co.uk/bitesize/articles/znxwcmn>

Proofreading <https://www.bbc.co.uk/bitesize/articles/zryxt39>

Rhyming Poetry <https://www.bbc.co.uk/bitesize/articles/z3tx8hv>

Using formal and informal language <https://www.bbc.co.uk/bitesize/articles/zkkj2sg>

### **Vocabulary, Grammar and Punctuation**

Using prepositions <https://www.bbc.co.uk/bitesize/articles/zh8nscw>

Synonyms and antonyms <https://www.bbc.co.uk/bitesize/articles/zpnmdp3>

Using inverted commas <https://www.bbc.co.uk/bitesize/articles/z7s6t39>

Using apostrophes to show possession <https://www.bbc.co.uk/bitesize/articles/zmq9kmn>

Using apostrophes to contract and combine words <https://www.bbc.co.uk/bitesize/articles/z4p2mfr>

### **Sustained writing task (Non-Chronological report - Charlotte's Web - E.B. White)**

Write a non-chronological report in the form of a fact file about spiders. You will need to research using the internet (or books about spiders) to gather information. You can include types of spiders, diet, appearance and habitat. When you write your fact file remember to include headings, an introduction and subheadings to split your information into sections.

There is information about spiders in the 'Spider Snapshot' section on the following website:

<http://www.scholastic.com/charlottesweb/index/html> (needs Flash Player).

# Science

**States of Matter:** States of Matter Lesson video – comparing and grouping materials, observing how materials can change and evaporation in the water cycle <https://stemlearning.wistia.com/medias/40gbvl6olu>

Chocolate melting videos – <https://www.stem.org.uk/resources/elibrary/resource/315591/what-temperature-does-chocolate-melt>

BBC bitesize: solids, liquids and gases class clip experiment videos and examples in everyday life – <https://www.bbc.co.uk/bitesize/topics/zkgg87h/resources/1>

Oak Academy, States of Matter unit – 6 Lessons <https://classroom.thenational.academy/units/states-of-matter-3a2a>  
Solids, Liquids and gases short learner guide videos – each with a short activity and quiz. What are the states of matter? What are freezing and melting? What is evaporation and condensation? What is the water cycle? <https://www.bbc.co.uk/bitesize/topics/zkgg87h>