

**Maths Year 5 ( Geometry position and direction will also be covered)**

**Statistics**

- Interpret charts
- Comparison, sum and difference
- Introduce line graphs
- Read and interpret line graphs
- Draw line graphs
- Use line graphs to solve problems
- Read and interpret tables
- Two-way tables
- Timetables

**Area and perimeter**

- Measure perimeter
- Perimeter on a grid
- Perimeter of rectangles
- Perimeter of rectilinear shapes
- Calculate perimeter
- Counting squares
- Area of rectangles
- Area of compound shapes
- Area of irregular shapes

**Multiplication and division**

- Multiples
- Factors
- Common factors
- Prime numbers
- Square numbers
- Cube numbers
- Multiply by 10
- Multiply by 100
- Multiply by 10, 100 and 1,000
- Divide by 10
- Divide by 100
- Divide by 10, 100 and 1,000
- Multiples of 10, 100 and 1,000

**Maths Year 6 ( Geometry position and direction will also be covered)**

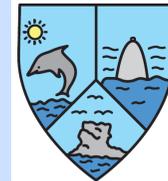
**Fractions**

- Equivalent fractions
- Simplify fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions
- Fractions on a number line
- Compare and order (denominator)
- Compare and order (numerator)
- Add and subtract fractions (1)
- Add and subtract fractions (2)
- Add mixed numbers
- Add fractions
- Subtract mixed numbers
- Subtract fractions
- Mixed addition and subtraction
- Multiply fractions by integers
- Multiply fractions by fractions
- Divide fractions by integers (1)
- Divide fractions by integers (2)
- Four rules with fractions
- Fraction of an amount
- Fraction of an amount - find the whole

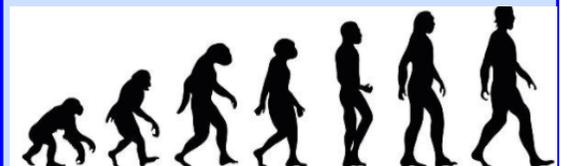
**Four operations**  
(cont. from last 1/2 term)

- Factors
- Common factors
- Common multiples
- Primes to 100
- Squares and cubes
- Order of operations
- Mental calculations and estimation
- Reason from known facts

**Cherry Class  
Autumn 2  
2020**



**In Cherry Class  
we are learning  
about:  
Mountains and  
Evolution and  
Inheritance**



**RE**

- Exploring Christianity.
- Exploring the question—What does it mean if Christians believe God is holy and loving?

**PE**

- Invasion games.
- Promoting fitness.
- Crofty Winter Games

**Ideas to Try at Home**

Research a great mountaineering expedition . Present your findings in a way of your choice.

Use an Ordnance Survey map to track a family walk.

Make a model fossil.

Explore inherited and acquired traits within your family or friends.

Please note our curriculum is fluid and responds to the needs and interests of the children. Therefore, we use the following activities as starting points but then might change activities and focus on things that particularly interest the children. We ensure that the key knowledge and skills are covered but do not limit ourselves to these.

### Grammar

This is taught as stand alone sessions but also embedded in all written work.

- Sentences and clauses
- Simple, compound complex sentences. Inc conjunctions verb to be and relative clauses. First mention subject and object
- Tenses perfect, simple, progressive. + verb 'to be'. Plus subject object again
- Punctuation including parenthesis.
- Colon, semi-colon. Commas to avoid ambiguity

### Geography—Mountains

- Understand how mountain ranges are formed
- Name and find on map of the world the 5 oceans and 7 continents.
- Use an atlas index and 6 figure grid references.
- Locate key mountain ranges on Earth including mountain ranges within the U.K.
- Investigate the climate of mountainous areas.
- Learn about some of the great mountain adventurers.

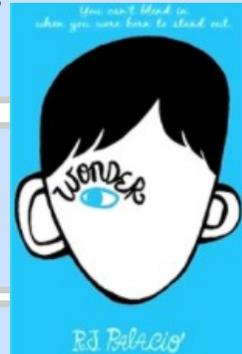
### English

- Study of explanation texts. Writing own explanation text based on the formation of mountains.
- Study of persuasive texts. Writing own persuasive text based on whether people should explore mountains or not.
- Poetry - Based on "The Dreadful Menace" short film about a mountain.
- Comprehension and vocabulary skills will be taught explicitly through class novel as well as weekly stand alone sessions.
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## Key Learning and

### Class Novel

Wonder by R.J Palacio



### Music

- Music based on the theme "Mountains".
- Concentrating on composition.

### - D.T - Food

- Make an energy bar suitable for taking on a mountain adventure.
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### Enrichment Opportunities

- Visit from theatre company for a Christmas production.

### Art

Use of different media to experiment with creating mountain scenes.. Focussing particularly on colour and shading.

Christmas craft!



### Science—Evolution and inheritance.

- Recognise that living things have changed over time and fossils provide information about things living millions of years ago.
- Recognise that living things produce offspring of the same kind.
- Identify how plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
- Know that some characteristic traits are inherited and some are acquired.