

Geometry- Properties of Shapes and Angles (Year 6 in bold)

Identify 3D shapes, including cubes and other cuboids, from 2D representations.

Use the properties of rectangles to deduce related facts and find missing lengths and angles.

Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.

Know angles are measured in degrees: estimate, compare acute, obtuse, and reflex angles.

Draw given angles, and measure them in degrees.

Draw 2-D shapes using given dimensions and angles.

Identify angles at a point and a whole turn, angles at a point on a straight line and $\frac{1}{2}$ a turn and other multiples of 90

Recognise angles where they meet at a point, on straight line, or are vertically opposite, and find missing angles.

Measurement- converting units (Year 6 in bold)

Convert between different units of metric measure [e.g., km and m; cm and m; cm and mm; g and kg; l and ml]

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places.

Understand and use approximate equivalences between metric and common imperial units such as inches, pounds and pints.

Convert between miles and kilometres.

Solve problems involving converting between units of time.

Use all four operations to solve problems involving measure, using decimal notation, including scaling.

Solve problems involving the calculation and conversion of units of measure, up to 3 decimal places where appropriate.

Statistics (Year 6)

Illustrate and name parts the circumference, radius, diameter and of a circle and know the diameter is twice the radius.

Interpret and construct pie charts and line graphs and use these to solve problems.

Science: Forces and Light



In this unit, we will focus on Light and forces; identifying air resistance, water resistance and friction. On sunny days, we will explain why shadows happen and how light travels.



THE
CATHEDRAL SCHOOL
CHELMSFORD



A CHURCH OF ENGLAND VOLUNTARY AIDED PRIMARY SCHOOL

Summer Term

Upper School

'Power'

Computing: Programming

We will be building on our programming and coding skills to create instructional programs using historic facts. E-safety will continue to be a focus.



R.E.: Judaism

In R.E., we will learn about the origins and importance of Shabbat in Judaism, the family ceremonies that mark the beginning and end, and what is not permitted in Shabbat. We will also identify features of Gospel texts (e.g.: teachings, parable, narrative), taking account of the context, suggest meanings of Gospel texts studied, and the different types of interpretation that Christians have of these texts.

English:

Within our themed approach, we will cover a range of literacy features with historical connections - Shakespeare and Tudors, Robots and narrative stories from that time frame.

Reading:

Keep up your brilliant reading at home. Don't forget you can use Bug Club:

www.activelearnprimary.co.uk and please look at

our school website to remind yourself of our recommended top 100 books to really promote a variety of authors. Our reciprocal reading and whole class guided reading session will aim to link with some power ballads songs too!

Topic: Power

D & T:

We will be designing and creating some Victorian equipment involving pulleys and cams or battery powered with a trigger element like; Guillotines etc.

P.E:

During this term, we will be focussing on our bat and ball game skills through cricket and rounders, and developing our athletics techniques through different running, jumping and throwing disciplines.

Humanities: Victorian Monarchs

We will research and study the history of British Monarchs incorporating a visit for year 6's to Queen Victoria's summer retreat in the Isle of Wight. We will combine our learning to know more about Henry 8th and his impact on religion.