



YEAR 6

SPRING 2025 CURRICULUM NEWSLETTER

For all the essential information about what we will learn during this Term.

Mathematics

Ratio and Proportion

- Solve problems involving the relative sizes of two quantities
- Solve problems involving the calculation of percentages
- Solve problems involving similar shapes where the scale factor is known or can be found
- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

Geometry

- Draw 2-D shapes using given dimensions and angles
- Recognise, describe and build simple 3-D shapes, including making nets
- Compare and classify geometric shapes
- Find unknown angles in any triangles, quadrilaterals, and regular polygons
- Illustrate and name parts of circles
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
- Describe positions on the full coordinate grid
- Draw and translate simple shapes on the coordinate plane, and reflect them in the axes

Measure

- Solve problems involving the calculation and conversion of units of measure
- Use, read, write and convert between standard units
- Convert between miles and kilometres
- Recognise that shapes with the same areas can have different perimeters and vice versa

Mathematics

- Calculate the area of parallelograms and triangles
- Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [for example, mm^3 and km^3]

English

The Selfish Giant and Island

- Use expanded noun phrases to convey complicated information concisely
- Use passive verbs
- Link ideas across paragraphs
- Use a wider range of cohesive devices (e.g. repetition, adverbials, ellipsis)
- Integrate dialogue to convey character and advance the action

History

- The Romans established Deva Victrix in AD74
- They chose Chester because it offered a natural defence against attacks and provided many resources to live
- The location of Deva Victrix allowed them opportunity to advance their invasion of Northern Great Britain and Ireland
- The amphitheatre was the largest in Britain and was a source of entertainment and used for military training
- The walls are a mixture of Roman, Medieval, Civil War, Victorian and Georgian history

Religious Education

Who is Jesus and what did He say about Himself?

- Christians believe Jesus is the Messiah and came to rescue people
- Christians believe the names Jesus is given describe his character and purpose
- Know that there is a connection between the concepts of Incarnation and Salvation and Fall
- Muslims believe Jesus is one of the 5 greatest messengers of God
- Jewish believers think Jesus was a teacher and a healer but not the Messiah
- People of no faith generally acknowledge that Jesus was a wise moral teacher as a real historical figure

Is everyone's journey the same?

- Human beings evolved from animals, and we do not have a spirit or soul
- Humanists do not believe in supernatural beings or forces. We should be wary of any claims that have no scientific evidence or cannot be tested
- There is not one single way to be happy - people are different and should be free to make their own choices about what to believe and how to live
- Being good is about promoting happiness and wellbeing, and reducing suffering in the here and now
- Supporting human rights as a way to support human freedoms and equality

Computing

- Know what a 'loop' is in music and to create a 'loop' to repeat rhythms
- Know how to layer loops of different instruments
- Know that compositions can be recorded and how to do this
- Know how to edit/delete sounds
- Know how to create a composition to portray a particular mood

Art

- Know that we can make 2D images look 3D through effective shading
- Know that by changing the hardness of a pencil, we can change the shade on the paper
- To understand how oil pastels can also be used for shading and experiment with different techniques
- Know that Paul Cezanne was French painter who is known as 'the father of modern art'. He is known for painting
- Know that Tracy Emin is a British artist who produces visual art in many different mediums

Personal, Social, Health & Relationships Education

Keeping myself safe

- Know the law regarding sharing images online
- Know how to keep personal information private online
- Define what is meant by addiction
- Understand that drugs can have medical and non-medical use as well as some of the laws that control drugs in this country

My Happy Mind - Appreciate

- Know what gratitude is and why it matters
- Know how gratitude can help in times of transition

Rights and Respect

- Explain some benefits of saving money
- Know the costs of producing an item
- Explain what is meant by term interest
- Recognise that different jobs have different levels of pay
- Explain why and how rules and laws protect them and others and how these are made and enforced
- Begin to understand how democracy works

Science

Animals and Humans - the circulatory system

- The heart pumps blood in the blood vessels around to the lungs
- Oxygen goes into the blood and carbon dioxide is removed. The blood goes back to the heart and is then pumped around the body
- Nutrients, water and oxygen are transported in the blood to the muscles and other parts of the body where they are needed. As they are used, they produce carbon dioxide and other waste products
- Carbon dioxide is carried by the blood back to the heart and then the cycle starts again as it is transported back to the lungs to be removed from the body. This is the human circulatory system
- Diet, exercise, drugs and lifestyle have an impact on the way our bodies function. They can affect how well our heart and lungs work, how likely we are to suffer from conditions such as diabetes, how clearly we think, and generally how fit and well we feel
- Some conditions are caused by deficiencies in our diet e.g. lack of vitamins

Evolution and inheritance

- Know that evolution is a process of change that takes place over many generations, during which species of animals, plants, or insects slowly change some of their physical characteristics. This is because offspring are not identical to their parents
- Know that evolution occurs when there is competition to survive. This is called natural selection
- Know that difference within a species (for example between parents and offspring) can be caused by inheritance and mutations
- Know that evidence of evolution comes from fossils - when these are compared to living creatures from today, palaeontologists can compare similarities and differences. Other evidence comes from living things - comparisons of some species may reveal common ancestors

Science

- Know that adaptation is when animals and plants have evolved so that they have adapted to survive in their environments. For example, polar bears have a thick layer of blubber under their fur to survive the cold, harsh environment of the Arctic while giraffes have long necks to reach the leaves on trees

Modern Foreign Languages

- Learn parts of the body in French. How to pronounce them and how to put them in a simple sentence.
- Sentence structure
- Sentence with adjective of size, noun and colour
- Adjective in singular and plural, positive and negative
- Question form - rising intonation
- Question words
- Familiar and formal use of you

Geography

- Know and locate on maps the places that Charles Darwin explored
- Know that the Galapagos islands are located in the Pacific Ocean, 973 km (605 miles) off the west coast of the continent South America
- Know that the islands are famous for having many native animals that are found nowhere else on Earth
- Identify and describe the physical features of the Galapagos Islands - volcanoes, earthquakes, climate zones
- Compare human and physical geographical features of the Galapagos Islands with those of Chester

Music

- Know that the conductor beats time to help the performers work well together
- Understand that improvisation means making up music 'on the spot'
- Understand that texture can be created by adding or removing instruments in a piece and can create the effect of dynamic change
- Know that timbre can also be thought of as 'tone colour' and can be described in many ways e.g. warm or cold, rich or bright

Useful Websites

- www.spag.com
- www.kidsagainstplastic.co.uk
- www.mathsbot.com
- www.whiterosemaths.com/homelearning
- www.iseemaths.com/home-lessons
- www.mymaths.co.uk
- www.ttrackstars.com
- www.scratch.mit.edu
- www.bbc.co.uk/bitesize/

Homework

- Homework is set on a Thursday
- Your child will receive 1 page of Maths, and 2 pages of English which will be a combination of grammar, punctuation and spelling. They will receive two of the three areas each week
- It is due back to school on a Tuesday where it will be marked
- Your child is expected to read 3 times each week

PE and Forest School

- PE Days are Monday and Friday
- There is no Forest School for Year 6

Physical Education

Badminton

- Children execute the correct technique for a range of shots, with accuracy and consistency
- Children will learn the scoring systems in tennis and badminton

Tennis

- Children will play forehand, backhand, serves and volleys into space in order to win points
- Children will learn how and where to serve.
- Health Related Exercise
- Children will refine their understanding of the impact of exercise on their bodies and the importance of developing their aerobic capacity, strength and flexibility

Design Technology

Textiles - Combining different fabric shapes

- Investigate, analyse and evaluate a range of existing products that combine fabric shapes, including disassembling a product
- Research work by designers and their impact on fabrics and products
- Pin patterns onto fabric to ensure limited wastage
- Demonstrate sewing techniques of how to tack, sew curved edges, how to start and finish off a row of stitches

Local Visits You Can Do

- Walk around Chester and look at the Roman architecture
- Visit the Deva and Grosvenor Museum

Upcoming dates:

- 20th January: Reading Drop-in Session 3.20pm
- 23rd January: Smartphone Free Coffee Morning 9am
- 14th February: INSET Day (School closed to pupils)
- 17th - 21st February: School Holidays

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