

Curriculum Overview | Guru Nanak Sikh Academy

Year 4 | Spring 1| 2020-2021



<p>Literacy</p> <p>We will be reading 'The Iron Man' by Ted Hughes which is a science fiction novel about a metal-eating giant man made from iron. It is predominately set in England and the children will be writing a newspaper article on an event from the book.</p>	<p>Art</p> <p>We will be looking at a range of different packaging for chocolate bars, taking note of the common design features. We will eventually design and create our own wrapper for a bar of chocolate.</p>
<p>Maths</p> <p>Pupils will be learning different methods of addition and subtraction calculations using up to four digit numbers. Pupils will apply their skills to word problems. Pupils will be also looking at different types of measurements including money in pounds and pence as well as interpreting and presenting discrete and continuous data. We will also cover fractions, recognising and writing equivalent fractions and decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.</p>	<p>Music</p> <p>The children will be learning about the key concepts of style, focusing on the musical genres of Jazz and Blues.</p>
<p>Humanities</p> <p>In History, children will be learning about Ancient Greece and its timescale. They will discover their culture and legacy, and the influences they left across the world, particularly in Britain, such as democracy, language, architecture, theatre and the Olympic games.</p>	<p>Punjabi and Sikh Studies</p> <p>Children will be learning how to describe shapes in Punjabi, focusing on objects of different shapes around the school and at home. They will also be looking at the symbols of Dulavan and Horha.</p>
<p>Science</p> <p>We will be focusing on states of matter, looking at the properties of solids, liquids and gases and identifying examples of each. Pupils will observe that materials change state when they are heated or cooled and also look at the process of evaporation.</p>	<p>Computing</p> <p>Children will be learning word processing and text formatting skills. They will also learn about formatting images and organising content into an effective layout. Initially the focus will be on formatting images and making them suitable for a poster advertising a chocolate. Children will learn new skills and techniques and apply them to creating a range of different google documents which they will use during the chocolate project.</p>
<p>PSHE</p> <p>We will be discussing different types of medicines and household products; as well as drugs common to everyday life, thinking about the uses of some and their dangers.</p>	<p>P.E</p> <p>Children will be working on creative skills which will focus on their coordination in sending and receiving skills. They will use a ball to complete challenges both personal and with a partner.</p>

Curriculum Overview | Guru Nanak Sikh Academy

Year 4 | Spring 2| 2020-2021



<p>Literacy</p> <p>We will be reading the novel 'Krindlekrax' by Philip Ridley. Krindlekrax is the name of a mysterious lizard that lurks under Lizard Street, where a boy named Ruskin lives. We will be focusing on non-chronological report writing, where pupils will write a non-chronological report based on part of the novel.</p>	<p>Art</p> <p>We will be looking to explore and examine famous buildings, focusing on a range of architectural styles. Pupils will look to explore the architecture of Sir Christopher Wren as well as then design a building for a particular purpose.</p>
<p>Maths</p> <p>Pupils will learn to count in multiples of 6, 7, 9, 25 and 1000. Also pupils will be learning various multiplication and division facts up to 12 x 12, including word problems. Pupils will also solve problems involving measurements converting hours to minutes, minutes to seconds, years to months, weeks to days. Additionally, pupils will compare and classify geometric shapes including quadrilaterals and triangles.</p>	<p>Music</p> <p>The children will be learning about the key concepts of style, focusing on the musical genres of Jazz and Blues.</p>
<p>Humanities</p> <p>In Geography, children will focus on earthquakes and volcanoes and learn, through maps, the location of them. They will look at the role of fault lines in natural disasters and discover what the ring of fire is. They will learn what happens during an earthquake and a volcanic eruption, what the aftermath of them are for the people who live there and why they still live in those areas.</p>	<p>Punjabi and Sikh Studies</p> <p>In Punjabi, children will be focusing on reading and writing about different leisure activities of young and elderly people. They will also be looking at the symbols of Horha/ Kanura and Bindi.</p>
<p>Science</p> <p>We will be looking at how sounds are created and how they travel. We will investigate how they can travel through objects as well as discovering how sounds can be different pitches and volumes.</p>	<p>Computing</p> <p>Children will take on the role of Meteorologists and weather presenters. They will become familiar with equipment used to measure weather and collect data. They will then use Google sheets to present the data collected. Finally they will present a weather report as a weather presenter.</p>
<p>PSHE</p> <p>We will be focusing on responding to hurtful behaviour; managing confidentiality; and continuing to recognise risks online, which we began to explore in the Autumn term. .</p>	<p>P.E</p> <p>Children will be working on physical skills, through working on controlling and coordinating their different body parts. We hope that pupils will also get an opportunity to attend swimming lessons but this is yet to be confirmed.</p>

Addition and subtraction - Pupils will be learning different methods of addition and subtraction calculations with up to four digit numbers. Pupils will apply their skills to word problems looking at real life scenarios.

Measurement - Pupils will estimate, compare and calculate different measures (km, metres, centimetres, milligrams, grams, kilograms, using money in pounds and pence).

Statistics - Pupils will interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Also pupils will solve problems using information presented in bar charts, pictograms and tables.

Fractions - Pupils will learn how to count up and down in hundredths, equivalent fractions, add and subtract fractions with the same denominator, recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, round decimals with one decimal place to the nearest whole number, compare numbers with the same number of decimal places up to two decimal places.

Number and place value - Pupils will learn to count in multiples of 6,7,9,25 and 1000.

Multiplication and division - To be able to recall multiplication and division facts for multiplication tables up to 12 x 12, multiplying three numbers together, using factor pairs and commutativity in mental calculations, solve problems involving multiplying and adding, using distributive law to multiply two digit numbers by one digit.

Fractions - Children should be able to solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non unit fractions where the answer is a whole number.

Measurement - Children should be able to solve problems involving converting hours to minutes, minutes to seconds, years to months, weeks to days.

Geometry: properties of shapes - Pupils will compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Geometry: position and direction - To be able to describe positions on a 2-D grid as coordinates in the first quadrant, describe movements between positions as translations of a given unit to the left / right and up / down, plot specified points and draw sides to complete a given polygon.