

Curriculum Overview | Guru Nanak Sikh Academy

Year 4 | Autumn 1| 2022-2023



As readers, writers and effective communicators we will be learning the following topics:

We will be reading the picture book, 'King of the Sky' by Nicola Davies. This follows an Italian boy who moves to the Welsh hills with his family. Pupils will explore the themes of belonging and human migration, as well as pigeon flying! Their final writing piece will be an explanation text for a refugee.

How you can help at home:

- Consider purchasing a child friendly dictionary and thesaurus to help children to improve their spelling and vocabulary.
- Ask children to explain verbally and write the steps they took when completing a certain task at home.
- Get the children to research what refugees are and some of the emotions they may feel.

As mathematicians we will be learning the following topics:

Number and place value - we will look at counting in multiples of 3, 6, 7 and 9, counting backwards through zero to include negative numbers. Pupils will be able to recognise the place value of each digit in a 4-digit number and identify, represent and estimate numbers using different representations.

Addition and subtraction - Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate. Estimate and use inverse operations to check answers to a calculation. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Factors and calculating - Count in multiples of six and nine. Recall multiplication and division facts for multiplication tables six, nine and 12. Use place value, known and derived facts to multiply and divide mentally, including multiplying together three numbers, recognising and using factor pairs and commutativity in mental calculations. Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by single-digit numbers.

How you can help at home:

- Encourage your child to use maths in everyday life - Assisting in food preparation, reading scales, measuring ingredients.
- Encourage children to practise times tables.

As artists we will be creating:

Formal elements of art - developing a range of mark-making techniques, making and printing with textured stamps for printing, drawing 'flip' patterns and recreating a famous geometric pattern.

How you can help at home:

- Explore different drawing styles and experiment with different materials and be creative at home.
- Research different pieces of art which use clay, paint and charcoal.

As musicians we will be learning about:

We will be taught various musical skills by a specialist music teacher this half-term. We will be learning about music and art, learning how music relates to visual arts, and exploring how to communicate emotion through music.

How you can help at home:

- Expose children to a variety of different music genres on youtube and ask them what emotions they feel when they listen.
- Get pupils to freely draw whilst listening to a variety of music genres.

As historians we will be enquiring about:

Roman Britain - Pupils will learn about life in Roman Britain and how the Romans came from different areas of the globe. Pupils will study important sites and think about why the Romans settled there, the role and structure of the army and Roman culture.

How you can help at home:

- Consider going to an exhibition on the Romans in London.
<https://www.museumoflondon.org.uk/museum-london/permanent-galleries/roman-london>
- Research the Romans and their legacy creating a poster about them.
- Create a factfile on significant individuals such as Julius Caesar and the British Iceni tribe leader that fought the Romans - Boudicca.

As scientists we will be investigating:

Humans - Pupils will be introduced to the main body parts associated with the digestive system and explore questions that help them to understand their special functions. They will explore different types of teeth in humans and their simple functions.

How you can help at home:

- Visit the dentist, find out about how we keep our teeth clean and the benefits of having different types of teeth.
- Have discussions on what happens to our bodies when we eat food and the best foods for us to eat.
- Get pupils to explain the different functions of the teeth when brushing their teeth.

As responsible citizens we will be learning about:

Positive friendships, including online - Pupils identify some features of positive healthy friendships and think about strategies to develop this. Pupils will then focus on how to communicate respectfully on digital and online platforms as well as identifying support that they can use if they become anxious about a contact online.

Belonging to a community - Pupils will first recognise the meaning and benefits of being part of a community and then focusing on how we contribute to a community.

How you can help at home:

As linguists we will cover the following areas:

Pupils shall be studying *Time* and learning how to tell time in Punjabi. They will also be learning the pronunciation of the ardas and understanding the meaning of it, as well as focusing on the 17th Pauree, Japji Sahib.

How you can help at home:

- Review reading and writing the Punjabi alphabet.
- Practice telling the time in Punjabi at home.

As technologists we will be covering the following topic:

Collaborative Learning : Pupils will begin to recognise that a network

Recognise that a network is two or more devices connected.

- Explain how information moves around a network and the role of the server.
- Understand that networks connect to the internet via a router.
- Explain some of the journey a website goes through to reach your computer.
- Explain that websites are split into small pieces (packets) to be sent via the internet.

How you can help at home:

- To use files and folders and storing information within these in a systematic organised manner.

As sports people we will be learning about:

Basketball: Pupils will develop competencies in key skills and principles such as defending, attacking, throwing, catching and dribbling. Pupils will learn to use attacking skills to maintain possession of the ball and understand the importance of playing fairly and to the rules. They will be encouraged to think about how to use skills, strategies and tactics to outwit the opposition as well as learn how to evaluate their own and others' performances.

How you can help at home:

- Ensure your child does at least 60 minutes of exercise outside of

- Talk to your child about how they can act safe and responsibly when online and what they should do if they become anxious about something they see online.
- Get your child to reflect on what communities they are part of and how they do and can contribute to their community.

- school every day. This could be in the garden or the local park.
- Encourage children to practice throwing and catching using a range of different ball types.
- Practice putting on a swimming hat and goggles at home.
- Consider taking your child swimming to help develop their life skill of being able to swim confidently.



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As readers, writers and effective communicators we will be learning the following topics:

Traditional Tales - we will be looking at the key features of traditional tales, whilst studying the tales from around the world in the book 'Tales of Wisdom and Wonder'. Pupils will have the opportunity to then write their own story based on one read as a class, taking into account the key features and grammar skills they have been taught over the course of the topic.

How you can help at home:

- Ask children to retell parts of the story in their own words to someone at home.
- Ask children to write their own independent stories, using pictures or videos as a stimulus.

As mathematicians we will be learning the following topics:

Multiplication and division - Pupils will work on recalling multiplication and division facts for multiplication tables up to 12. We will also focus on using written and mental strategies to solve problems involving multiplying and adding.

Geometry: properties of shape - Pupils will compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and size, as well as the lines of symmetry and angles they include.

How you can help at home:

- Practice all times tables using TT Rockstars and using quick-fire questioning.
- Look for common geometric shapes in everyday objects, discuss their properties.

As artists we will be creating:

Textiles fastenings - This topic sees the children designing and creating a book sleeve; exploring a variety of fastenings and selecting the most appropriate one for their design.

How you can help at home:

- Look for different types of fastenings around the house.
- Practice using fastenings on a daily basis - buttons, shoe laces.

As musicians we will be learning about:

Pupils will continue learning about music and art, learning how music relates to visual arts, and exploring how to communicate emotion through music.

How you can help at home:

- Expose children to a variety of different music genres on youtube and ask them what emotions they feel when they listen.

<p>➤ Practice basic with a needle and fabric.</p>	<p>➤ Get pupils to freely draw whilst listening to a variety of music genres.</p>
<p>As geographers we will be enquiring about: <i>Our European Neighbours</i> - Pupils will be able to locate Europe and discuss its features such as environmental regions (climates and biomes - e.g. the alps). They will look at the location of key countries and capital cities in Europe. The children will then focus on one European country and draw comparisons between it and the UK thinking about the human and physical features of that country. How you can help at home:</p> <ul style="list-style-type: none"> ➤ Consider purchasing a child friendly Atlas. ➤ Get your child to research and present information about the countries of Europe, thinking about physical and human geography. ➤ Use Google Maps to explore and view different countries and cities in Europe. 	<p>As linguists we will be covering the following areas: Pupils shall be talking about the weather. They will focus on the 18th Pauree of Japji Sahib, learning about Sikh values through the Sakhis of Guru Nanak Dev Ji as well as Martyrdom of Guru Tegh Bahadur ji and chaar sahibzaade. How you can help at home:</p> <ul style="list-style-type: none"> ➤ Review reading and writing the Punjabi alphabet. ➤ Practice talking about the weather in Punjabi at home.
<p>As scientists we will be investigating: <i>Animals, including humans</i> - They will explore different types of teeth in animals and their simple functions, whilst also recapping the functions of the different human teeth. Children will construct and interpret a variety of food chains, identifying producers, predators and prey. How you can help at home:</p> <ul style="list-style-type: none"> ➤ Take your child on a walk to the local park, look for different wildlife and habitats, describe the features and characteristics. ➤ Research different types of animals and get them to create factual cards on them that could then be used as top trump cards. 	<p>As technologists we will be covering the following topic: Further coding with Scratch: The pupils will be learning to</p> <ul style="list-style-type: none"> ● Understand how to create a simple script in Scratch – be able to change sprite and prevent the sprite from rotating. ● Create a variable and be able to use a variable to record a score. ● Understand what a variable is and how it works within a program. <p>How you can help at home:</p> <ul style="list-style-type: none"> ➤ Coding a simple game. ➤ Incorporating variables to make code more efficient.
<p>As responsible citizens we will be learning about: <i>Belonging to a community</i> (continued) - We will begin to look at how individuals and groups help develop a community, thinking about our responsibility to show compassion and care towards those in need. Respecting ourselves and others - Pupils will explore similarities and differences between the people and the importance of respecting and valuing the differences we all bring to creating a diverse human race. How you can help at home:</p> <ul style="list-style-type: none"> ➤ Expose your child to recent and historical news stories that explore 	<p>As sports people we will be learning about: Tag Rugby: Pupils will learn to keep possession of the rugby ball using attacking skills. They will play uneven and then even sided games, developing strategies and social skills to self-manage games. Pupils will understand the importance of playing fairly and keeping to the rules of tag rugby. How you can help at home:</p> <ul style="list-style-type: none"> ➤ Ensure your child does at least 60 minutes of exercise outside of

diversity and differences.

- Read newspaper articles that discuss cases of discrimination and prejudice e.g. Black Lives Matter, Apartheid, Suffragettes.

school every day. This could be in the garden or the local park.

- Consider signing your child up to a sports club to support with developing these skills of flexibility, strength, technique, control and balance.