

# NATHANIEL NEWTON INFANT SCHOOL

Learning in Year 2 in the first half of Spring Term – Our topic is called ‘Wheels in Motion’

## Literacy

## Numeracy

## Science

<p>Continue to apply phonic knowledge and skills as the route to decode words until automatic decoding has become embedded and reading is fluent, Explore different types of texts and begin to identify the key features of a variety of stories. Key skills for reading and writing will be developed, including:</p> <ul style="list-style-type: none"> <li>• The use of full-stops, capital letters, exclamation marks, question marks and speech marks.</li> <li>• The development of simple and compound sentences with the inclusion of adjectives.</li> <li>• The use of story language.</li> <li>• A sequence of a story.</li> <li>• The spelling of key words</li> <li>• Writing narratives about personal experiences and those of others (real and fictional)</li> <li>• Writing about real events</li> <li>• Writing poetry</li> <li>• Writing for different purposes</li> </ul>	<p>Addition and Subtraction</p> <p>Multiplication &amp; Division (2, 5 and 10 times tables. Division as sharing).</p> <p>Fractions (recognise, find, name and write fractions <math>\frac{1}{4}</math> <math>\frac{1}{2}</math> <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity).</p> <p>Measurement (Metres, centimetres, grams, kilograms, litres, millilitres).</p> <p>Geometry (Exploring and create 2D &amp; 3D Shapes and learn about their properties).</p> <p>Statistics (Charts, table, diagrams etc).</p>	<p>Carry out investigations on friction and gravity.</p> <p>Learning how to carry out a fair test.</p> <p>Understand floating and sinking.</p>
<p><b>At home you can help by:</b></p> <p>Read as much as possible with and to your child and encourage them to discuss what they have read. Ask them as many challenging questions as possible. For example: Why do you think the boy was lonely? How do you know he was lonely?</p> <p>Practise weekly spelling and use them in their writing.</p> <p>Write about events happening in their lives. Write poems on winter. Write a rap about transport.</p>	<p><b>At home you can help by:</b></p> <p>Get your child adding, subtracting, multiplying and dividing as much as possible. For instance, ask them to calculate a total or change in a shop or divide treats. The more you can encourage your child to use mental calculation strategies, the quicker he/she will progress, so keep firing real life mathematical problems their way! Also, help them to learn their times tables and derive division facts from this knowledge. Look at shapes of real-life objects and discuss which 2D/3D shapes it reminds you of.</p>	<p><b>At home you can help by:</b></p> <p>Make a boat that floats.</p> <p>Make an aeroplane that flies, discuss that gravity pulls it down to the ground.</p>

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## Geography/History

## Art and Design Technology

## PSHE/Religion

<p><b>Geography:</b></p> <p>Find out about how types of transport vary around the world.</p> <p>How do we travel to different countries?</p> <p>How do we travel to school?</p> <p>Drawing maps of the local area.</p> <p><b>History:</b></p> <p>Find out about different types of transport in the past.</p> <p>Make a transport time-line to show when different forms of transport were invented.</p> <p>Research the history of different forms of transport, e.g. the motor car, train &amp; aeroplane.</p>	<p><b>Art and Design:</b></p> <p>Use a range of materials creatively to design and make a product.</p> <p>Use drawing, painting and sculpture to develop and share their ideas, experiences and imagination. Develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space (paint self-portraits, clay souvenirs and pointillism painting).</p> <p>Learn about the work of a range of artists describing the differences and similarities between different practices and disciplines and making links to their own work.</p> <p><b>Design Technology:</b></p> <p>Design purposeful, functional, appealing products for themselves and other users based on design criteria (transport). Select from and use a range of tools and equipment to perform practical tasks such as cutting, shaping, joining and finishing. Evaluate their ideas and products against their design criteria.</p>	<p><b>PSHE:</b></p> <p>Learning about road safety including how to cross roads safely.</p> <p>Learn about bicycle and road safety.</p> <p>Discuss people with restricted mobility.</p> <p><b>R.E.:</b> Compare Christianity and Islam.</p>
<p><b>At home you can help by:</b></p> <p>Research and write about the invention of different forms of transport. Go on as many different forms of transport and write about your experiences.</p>	<p><b>At home you can help by:</b></p> <p>Let your child explore different materials, tools (scissors, sticky tape) and shapes to create their own pictures and designs.</p> <p>Paint/draw/make 3D models different modes of transport.</p>	<p><b>At home you can help by:</b></p> <p>Discuss and demonstrate how to keep safe near roads.</p>

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## Computing

## Physical Education

## Music

<p>Children are taught to evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems</p> <p>Children are taught to be responsible, competent, confident and creative users of information and communication technology.</p>	<p><b>Gymnastics</b> Children are taught to develop basic movements including balance, agility and co-ordination, and begin to apply these in a range of activities.</p> <p><b>Athletics</b> Children are taught to develop basic movements including running, jumping, throwing and catching participate in team games, developing simple tactics for attacking and defending.</p>	<p>Children learn to sing and to use their voices, to create and compose music on their own and with others, have the opportunity to learn a musical instrument, use technology appropriately and have the opportunity to progress to the next level of musical excellence</p> <p>Children learn to understand and explore how music is created, produced and communicated, including through the inter-related dimensions: pitch, duration, dynamics, tempo, timbre, texture, structure and appropriate musical notations.</p>
<p><b>At home you can help by:</b> Discuss safety on the internet with your child.</p>	<p><b>At home you can help by:</b> Discuss with your child how important it is to keep fit and healthy and different forms of exercise such as swimming, running, walking and bike riding.</p>	<p><b>At home you can help by:</b> Encourage your child to listen to different genres of music.</p>