



# Grove House School

## Class Learning Topics 2017

### 3E

Subjects	Autumn		Suggestions for home learning (if appropriate)
English	We are looking at how to make our writing interesting so others want to read it. This includes finding out about how to extend sentences using: interesting adjectives and adverbs; connectives or joining words; and complex sentences which drop extra information into the writing.	Our English this half term will be focussed on <i>Charlie and the Chocolate Factory</i> by Roald Dahl. We will be discussing the story, sharing our opinions and using it to help us write for a range of different purposes.	Read to an adult regularly at home or if they are reading independently discuss the books they have read and answer questions about the text. Access Bug Club online (if they are using this series of books and you have been sent a login). Read on their own, or together other books by Roald Dahl. Find out more about Roald Dahl and his books using the website <a href="https://www.roalddahl.com/home/kids">https://www.roalddahl.com/home/kids</a>
Maths	We will be covering a range of different mathematical topics this term including: Number (place value, addition, subtraction, multiplication and division, fractions, decimals and percentages) Ratio and Proportion Algebra Measurement Geometry (shapes, position and direction) Statistics (graphs, charts and interpreting information)		Practice times tables regularly until can answer questions quickly and out of order. <a href="https://www.activelearnprimary.co.uk/login?e=-1&amp;c=0">https://www.activelearnprimary.co.uk/login?e=-1&amp;c=0</a> To access Abacus activities online. <i>Logins to be sent home.</i>



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<b>Science</b>	<b><u>Sound</u></b>  We will be thinking about how different objects and instruments make sound, how that sound travels to our ears and how our ears work. Students will be encouraged to work as scientists asking questions, making predictions, observing carefully, checking their results and drawing conclusions. We will be using what we have learnt to solve a problem by creating a fair test. Later in the term we will be developing our understanding of sound further looking at how it travels in waves and how these waves change. We will also be planning investigations with increasing independence looking at the importance of changing only one variable.	<b><u>Magnets and electric current</u></b>  Investigate ways of varying strength of an electromagnet. Explore the magnetic field pattern around different types or combinations of magnets. Use the idea of field lines to show how the direction or strength of the field around a magnet varies. Predict the pattern of field lines and the force around two magnets placed near each other. Explain observations about navigation using Earth's magnetic field. Predict how an object made of a magnetic material will behave if placed in or rolled through a magnetic field. .	You could explore sound together using BBC Bitesize for Key Stage 2  <a href="http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/sound/read/1/">http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/sound/read/1/</a>  BBC Bitesize for Key Stage 3 develops the understanding of sound further  <a href="http://www.bbc.co.uk/education/guides/z8d2mp3/revision">http://www.bbc.co.uk/education/guides/z8d2mp3/revision</a> To find out about magnets at KS2 level visit the address below.  <a href="http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/magnets/read/1/">http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/magnets/read/1/</a>  To extend this to KS3 visit the following address.  <a href="http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/magnets_electric_effects/revision/6/">http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/magnets_electric_effects/revision/6/</a>  You could visit the science museum at London.
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ICT	<b>Cryptography</b> The pupils will learn how information can be communicated in secret over open channels, including the internet, using cryptography. They will learn about the public key system used to sign and encrypt content on the web, and how they can check the security certificates of encrypted websites. They will learn about the importance of password security for online identity and consider what makes a secure password.	<b>Online Artists</b> The pupils will use vector and turtle graphics to explore geometric art, taking inspiration from the work of Escher, Riley and traditional Islamic artists, as well as experimenting with complex fractal landscapes. The unit provides an opportunity to reinforce messages around safe searching and evaluating the quality of online content. If the pupils upload their work for others to see, they should consider the importance of protecting personal information as well as recognising that they are sharing their own copyrighted work with an audience.	Children should be encouraged to use ICT where possible but not over exposed to devices. Use links on our school website for encouraging safe use of ICT. <a href="http://grovehouseschool.co.uk/saying-safe-online/">http://grovehouseschool.co.uk/saying-safe-online/</a>
PSHE	Friendship.		



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<b>Language Skills</b>	<p>Developing word knowledge and word usage through pre-teaching vocabulary pertaining to core subject areas across key stages of learning. Vocabulary is taught using a conceptual map focusing on various morphological and semantic word properties, i.e. sound unit, syllable unit, word class, definition, and meaningful syntactical use.</p> <p>-Developing skills in the area of syntax and grammar using key methodologies such as, 'Break it Down + Build it Up', 'Shape Coding', and 'Colourful Semantics' approaches. Students develop their ability to use meaningful complex sentences that are grammatically correct.</p> <p>-Developing higher order reasoning skills using 'Blanks Levels of Questioning'. Students develop their ability to interpret abstract language, i.e. infer meaning, provide explanations, make predictions, problem-solve, and demonstrate reasoning skills.</p> <p>-Developing spoken and written narrative skills through explicit instruction on narrative features linked to key stage learning fictional texts. Opportunities are given to students to develop skills such as, sequencing story events cohesively, using a range of story grammar elements, and providing sufficient detail.</p>	
<b>Social Skills</b>	<p>-Promoting social communication and social interaction skills using explicit teaching approaches, such as, 'Language Builders' (Elkan), and 'Talkabout' (Alex Kelly). Students develop skills in the key areas of: awareness of self and others, non-verbal behaviour (body language and paralinguistic skills), verbal behaviour (conversational skills), and assertive behaviour.</p>	



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Humanities	3E will be learning about World War 2. We will be looking at the events that led up to the war, evacuation, rationing, the role of woman and the holocaust. Students will have the opportunity to do some role-play and see actual footage of World War 2 events.	Linking with History last half term, students will study Judaism for the RE element of Humanities. We will look at the main beliefs, holy book, place of worship and the modern community.	Go to the library or use the internet to find out more about World War 2 and Judaism.
Art	3E will be completing a drawing unit this half term. They will be studying the artist Hunderstwasser and drawing in the style of Hunderstwasser. They will also be studying still life using natural form as a starting point. Lastly 3E will learn to use positive and negative drawing techniques in response to the work of Frank Auerbach	3E will be completing a textiles unit this half term. They will be exploring patterns from different cultures and transferring their designs to dip dyed fabric. 3E will also be making collograph blocks and printing their designs onto fabric. Lastly 3E will make plasticine relief block and explore printing onto different surfaces.	Go to the library or search the internet to research the artists: Hunderstwasser and Auerbach.  Visit an art gallery and discuss different paintings with your family.  Practise your drawing skills at home.
Music	3 part performance – voice percussion keyboards		
PE/Games	Level depending on age and ability. Working on eye ball co-ordination. Invasion games e.g. hockey, netball. Individual sports, tennis, badminton.	Looking to generally develop balance, over all co-ordination and movement.	



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DT	<p><u>Food Technology</u> Health and safety with using kitchen tools and food in food preparation. Skills - peel, chop, grate and use the rubbing in method. Learning about a balanced diet with ongoing reference to the Government guidelines, using the Eat Well Plate. Cooking using seasonal or local choices of food, where possible. Thinking about cost of cooking and healthy portion sizes. Following recipes and beginning to think about adapting them to suit personal tastes or dietary requirements.</p>	<p>Practise use of kitchen tools under supervision from an adult e.g. peel, chop or grate fruit and /or vegetables.</p> <p>Follow simple recipes.</p> <p>Wash and dry up.</p>
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