

# Homework for Blue Class – Inventions (4 weeks) and Creepy Crawlies (3 weeks)

Tasks that are more easily completed by children independently are underlined.

1 English (Communication, Reading and Writing)	2 Creative Arts (Music, Art, Dance)	3 Humanities (RE, Geography, History, Philosophy)	4 Mathematics and Technology (Maths, DT, IT, Science)
<b>Activities for Inventions – the first 4 weeks of term</b>			
<p>Write a short conversation between Pip and another character from Great Expectations using correctly punctuated dialogue.</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>new speaker, new line</li> <li>inverted commas around the words that are spoken</li> <li>capital letters for start of dialogue</li> <li>punctuation before the final inverted comma</li> <li>if dialogue tag first, comma before inverted comma</li> <li>better words for 'said'</li> </ul>	<p><u>Create a pencil drawing of a significant invention from during the Industrial Revolution.</u></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>choose invention e.g. steam train...</li> <li>sketch outline thinking carefully about position, direction and size</li> <li>use different mark making to create different tones and texture e.g. cross hatching...</li> </ul>	<p><u>During the Industrial Revolution, children from poor families often had to work. Consider the following:</u></p> <p><i>'It was wrong for children to work.'</i></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>consider both points of view</li> <li>use knowledge from history lessons</li> <li>explain reasons</li> <li>consider if you would still have the same opinion about children working in modern times.</li> </ul>	<p>Practise these mental maths facts/skills:</p> <ul style="list-style-type: none"> <li>all times tables up to 12 x 12 and corresponding division facts</li> <li>number bonds to 1 i.e. 0.8 + 0.2</li> <li>rounding decimal numbers to the nearest 1 i.e. 8.3 → 8</li> <li>derive sums and differences for pairs of multiples of 10, 100 and 1,000</li> <li>recognise the following equivalences: 0.5 = ½, 0.25 = ¼, 0.75 = ¾</li> </ul>
<p><u>Practise spelling the following words on their own and in simple sentences:</u></p> <p><i>potatoes, pressure, probably, promise, purpose, quarter, question, recent, regular, reign, remember, sentence, separate, special, straight, strength, suppose, surprise, therefore, though (although), thought, through, various, weight, woman, women</i></p> <p>It's a good idea to learn a couple a day or five a week and keep revisiting them to help memorise them over time.</p>	<p>Compose a short piece of music that could represent a machine/invention using household objects (ASK YOUR PARENTS FIRST). This might be more effective if you work with others so you can have different layers of sounds.</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>explore different sounds household objects can make</li> <li>think about sounds you might hear a machine making</li> <li>create ostinato (repetitive rhythms)</li> <li>order ostinato into a structure</li> <li>consider tempo and dynamics</li> </ul>	<p><u>Follow the link below to the DK Find Out website. Explore the famous inventions shown from throughout history and then test your knowledge with the quiz!</u></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>learn about the inventions, making notes to help you remember</li> <li>take the quiz, reading questions carefully and using your new knowledge</li> <li>check answers and learn from any mistakes</li> <li>which invention was the most important and why?</li> </ul>	<p>Have you got an inventive brain? Be an inventor! Come up with an idea and create your own invention, using your DT skills!</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>think of a problem and a possible invention to solve it</li> <li>create a plan/labelled diagram, including materials</li> <li>create your invention, making changes to overcome problems</li> <li>give your invention a name!</li> </ul>
<b>Activities for Creepy Crawlies – the last three weeks of term</b>			
<p><b>TO SUPPORT LANGUAGE DEVELOPMENT AND SPEAKING AND LISTENING SKILLS:</b></p> <p>Think of an insect of interest and make up a riddle about it. Say it to an adult and see if they can guess what it is. Speak clearly, in full sentences, using the correct grammar and adding helpful detail.</p>	<p>Create your own creepy crawly model using 3D art.</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>research creepy crawlies (use DK link below) and choose one you would like to recreate</li> <li>select 3D modelling materials (clay, plasticine, salt dough – recipes can be found easily online) and embellishments</li> <li>create your model, looking carefully at your chosen creepy crawly</li> <li>use colour mixing to create shades to paint your model</li> <li>varnish if needed with a glue and water mix</li> </ul>	<p>The Amazon Rainforest contains over 2.5 million different species of insects! Where in the world are rainforests and what makes them such great habitats for creepy crawlies?</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>use an atlas or online mapping tool to locate the main rainforest regions of the world</li> <li>describe their location and climate</li> <li>research about what the rainforest habitat is like (weblinks below)</li> <li>present your learning however you choose</li> </ul>	<p><u>Continue to explore perimeter and area by spending time on this 'Area Builder' interactive tool. Try the games too. Start on Level 1.</u></p> <p><a href="https://phet.colorado.edu/sims/html/area-builder/latest/area-builder_en.html">https://phet.colorado.edu/sims/html/area-builder/latest/area-builder_en.html</a></p> 
<p><u>Write a story with the title 'The girl/boy, the spider, the snail and the butterfly'.</u></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>beginning, middle, end</li> <li>problem</li> <li>exciting solution</li> <li>use paragraphs to organise ideas</li> <li>cohesion within paragraphs</li> <li>good word choices</li> <li>subordinating conjunctions to write complex sentences</li> <li>use <u>some</u> dialogue</li> <li>time adverbials to move on events</li> </ul>	<p><u>Listen to and appraise 'Flight of the Bumblebee' by Russian composer Rimsky-Korsakov (link below).</u></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>listen carefully and explain what you notice about...             <ul style="list-style-type: none"> <li>the tempo</li> <li>the instruments used</li> <li>any changes in dynamics</li> </ul> </li> <li>how does this music reflect a bumblebee in flight?</li> </ul>	<p>David Attenborough is a famous conservationist. Explain what this quotation from him might mean:</p> <p><i>"Nature is our biggest ally and greatest inspiration."</i></p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>read and think</li> <li>discuss the meaning of the quotation</li> <li>write down ways in which nature might be our 'biggest ally'</li> <li>write down ways in which nature might be our 'greatest inspiration'</li> <li>how might this change your thinking?</li> </ul>	<p>In DT, we will explore sewing skills. Apply your sewing skills to create some creepy crawly finger puppets.</p> <p><b>Focus:</b></p> <ul style="list-style-type: none"> <li>gather suitable materials (ASK FIRST)</li> <li>create some designs based on the materials you have</li> <li>cut fabric carefully, using a template if needed</li> <li>sew using stitches you know e.g. running, back, cross stitch</li> <li>embellish</li> </ul>
<p>Helpful websites (with parental supervision):</p> <p><a href="https://www.dkfindout.com/uk/science/amazing-inventions">https://www.dkfindout.com/uk/science/amazing-inventions</a> - Amazing Inventions information and quiz</p> <p><a href="https://www.dkfindout.com/uk/">https://www.dkfindout.com/uk/</a> - search for insects, bugs, butterflies etc</p> <p><a href="https://www.youtube.com/watch?v=aYAJopwEYv8">https://www.youtube.com/watch?v=aYAJopwEYv8</a> – Flight of the Bumblebee</p> <p><a href="https://kids.britannica.com/kids/article/rainforest/353695">https://kids.britannica.com/kids/article/rainforest/353695</a>; <a href="http://www.primaryhomeworkhelp.co.uk/rainforest.html">http://www.primaryhomeworkhelp.co.uk/rainforest.html</a> - rainforests</p>			

Look at the activities above. The activities are divided into four columns. You need to choose one activity to complete each week. You must choose at least one activity in each column. After that the choice is yours.

- To help you organise your homework, it is a good idea to do a little every day. You can spend as long as you wish, but around one hour per week should be enough for most activities.
- If you have a brother or sister at Blackwell, you could work together on an activity.
- It is helpful if grown ups help you, but please do the work yourself.
- The work should be filed in your homework book. Examples of good homework will be displayed in the hall.

**Reading for this half term:** daily please for at least 10 minutes and make sure you talk about the book with someone.

## EXPECTATIONS

- Please complete written work in pencil and file into your homework book. Some work may require a photograph.
  - Present work in a way that is clear and easy for people to read
- Homework sheets will be sent home at the start of a topic and one piece can be handed in each MONDAY
  - Maths activity sheets will be available from class teachers
  - Feedback from the teacher will be provided in the workbook