



HOME LEARNING GRID - 22.02.21

Read It	Write It	Paint It	Do It	Investigate it
<p>Read the <i>Beavers Return</i> story in 'Topical Tuesdays' on the Heamoor School website. Hold the debate with a member of your family.</p> <p>https://www.heamoor.school.co.uk/website/topical_tuesday/536867</p>	<p>Investigate how beavers build dams across rivers and then re-write your research as a set of instructions. Don't forget to include an introduction, 'what you need' section and a numbered series of steps including sequencing adverbials and imperative verbs.</p>	<p>The world's longest bridge is in China and is 164.8km long. It would take more than two days to walk the length of this bridge. Design your own bridge / walkway. You will need to ensure that anything can travel safely across. Label your design to show the forces acting on the construction and where forces are balanced.</p>	<p>Bridge Building. Build a bridge big enough for a toy car. You may only use paper or card. Evaluate your bridge. How successful was it? What were the forces acting on the car? How were you able to overcome these forces to enable the car to remain on the bridge?</p>	<p>Friction investigation</p> <p>Investigate the force of friction by designing and making your own brake pads.</p> <p>All resources can be found following Wednesday's lesson using the following link.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>
<p>Read the <i>Sensational Scientists - The Wright Brothers</i> information and answer the comprehension questions. Use the link below to access all resources.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>	<p>Imagine you are really living 400 years in the future but you have been brought back to your current home by a time machine. Write a diary entry about your visit to your 'old' house, describing your feelings on seeing the way we 'used to live' and discovering things that you use today but would seem very dated to someone from the future.</p>	<p>The 'Perseverance' Mars rover successfully landed on the surface of Mars last Thursday 18th February. Watch the video using the link below and then design your own Mars rover. You will need to consider what will make it successful so think about forces, especially air resistance/friction/gravity. And remember - these forces may be different on Mars compared to Earth.</p> <p>https://thekidshouldseethis.com/post/introducing-perseverance-nasas-fifth-mars-rover</p>	<p>Having designed your rover, have a go at building it. Think about what materials you will need to use to make it successful given what you now know about the different forces and terrain that the vehicle will encounter.</p>	<p>Find out about air resistance by completing the 'Straw Plane' investigation. Make sure to complete the planning sheet and the results table.</p> <p>All resources can be found following Tuesday's lesson using the following link.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>
<p>Choose three black physicists to read about using the information on the research cards found using the following link.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>	<p>Using the writing framework, focus on one black physicist and make notes on them. Now turn these notes into a piece of biographical writing. Remember to include appropriate sub-headings for different sections.</p>	<p>Create a wordle using words associated with physics and working scientifically. Use the link to see a wordle example if you don't know what they are.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>	<p>Do the PE 'Full Body Workout' sessions each day and keep score using the weekly record sheet.</p> <p>Use this link to find the resources.</p> <p>https://www.heamoor.school.co.uk/website/sport_fitness/532812</p>	<p>Water resistance</p> <p>Investigate water resistance by designing and making your own boats. Use the link below for all of the necessary resources.</p> <p>https://www.heamoor.school.co.uk/website/science/533606</p>