

# Optional Family Learning Grid

<b>Project Name:</b> <b>Forces and Energy</b>	<b>Reading:</b> Please complete daily	<b>Numeracy:</b> Sumdog - <a href="http://www.sumdog.com">www.sumdog.com</a> Times Table Rock Stars - <a href="http://www.ttrockstars.com">www.ttrockstars.com</a>						
<b>Literacy</b>	<b>Zero Gravity</b> Imagine a house with no gravity! Can you write a story about a character who lives there and describe what their life would be like?	<b>Poster Challenge!</b> Create a poster advertising either the toy or the rollercoaster you have designed (activities in the Other section). Try to use lots of describing words and make your poster as eye-catching as possible.						
<b>Numeracy</b>	<b>Junk Model Challenge</b> Can you build a junk model that has wheels? Use your knowledge of friction to design wheels that would help your model move faster or slower. Think about the 3D shapes you have used to build your model.	<b>Tally Charts</b> Explore your house to find everyday items that work using a pushing force, a pulling force or both. Make a tally chart to record your findings.						
<b>Other</b>	<b>Design a Toy</b> Can you draw a design for a toy that uses either a push force or a pull force to operate?	<b>Sound Vibrations</b> Take a walk around outside and listen for different sounds. Can you hear high and low sounds? Can you hear loud and quiet sounds? Take a note of what you hear. For example: <table border="1" data-bbox="1288 917 2139 979"> <thead> <tr> <th>Sound</th> <th>High or Low?</th> <th>Loud or Quiet?</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Sound	High or Low?	Loud or Quiet?			
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<b>Draw a Rollercoaster</b> Can you design and draw a rollercoaster that is safe but exciting? Think about how the force of gravity could be used to make some exciting drops!	<b>Buoyancy Experiment</b> With an adult, fill a sink or container full of water. Experiment with different materials to see which materials float e.g. wood, paper, plastic etc. Does changing the shape of the materials make a difference?							



Curriculum Information and regular updates on what your child has been doing in class can be found on our class blog. Please scan the QR code or follow this link to find it.

[www.blogs.glowscotland.org.uk/sh/primary42023/](http://www.blogs.glowscotland.org.uk/sh/primary42023/)



If you wish to share any of your home learning with me, you can email me at [gw18simpsonrebeccaam@glow.sch.uk](mailto:gw18simpsonrebeccaam@glow.sch.uk).