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| **STEM Grid P4-5**  A tailored approach to STEM learning - Teacher  During our **STEM** Week there are 10 activities that you can use at home to help children develop your science, technology, engineering and maths skills. These activities are easy to resource, however, please adapt to any resources you have at home! These activities provide children with the stimulus to talk about the world around them. Don’t forget to please share your work with us, if possible. We would love to see what you are up to! | | |
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| **Who would live in a house like this?**  Design a creature that would live in the boot of your car, or the bottom of your bag.  What special adaptations/characteristics would it have?  <https://www.stem.org.uk/resources/elibrary/resource/464496/animal-adaptations> | **Garden/home treasure hunt**  Create a rainbow collage by collecting coloured materials from your garden or home.  <https://www.stem.org.uk/resources/elibrary/resource/34292/darwins-adventurers-quick-start-resources> | **Water Cycle in a bag**  Take a clean plastic sandwich bag. Carefully pour some water into it, so it is a third full. Seal it and tape it to a window that gets the sun. Watch what happens inside the bag when the sun is shining on the window. Can you explain this?  <https://www.stem.org.uk/rx32pu> |
| **Growing plants from the things you throw away**  Collect the seeds from the fruit that you eat. Including tomatoes and squash.  Do they all look the same? Plant them and observe how they grow.  [**www.stem.org.uk/rx32mj**](http://www.stem.org.uk/rx32mj) | **What’s in your house?**  Find 5 things in your house. What are they made from?  Can you name the properties of the different materials?  [**www.stem.org.uk/rxg2rt**](http://www.stem.org.uk/rxg2rt) | **Parts of a flower**  Ask your parents or carers if you can take a flower from the garden.  Carefully dissect it. Can you name the different parts? Do you know what they do?  This booklet might help you .  <https://www.stem.org.uk/rx33gn> |
| **Excellent electricity**  Make a list using words/drawings to find all the things in your home that use electricity.  If you could keep only one item which would it be? Why?  [**www.stem.org.uk/rxxxr**](http://www.stem.org.uk/rxxxr) | **How does our body work?**  Go outside and use chalk to draw around someone's body.  Can you draw what is inside your body? What does each part do?  [**www.stem.org.uk/rx34f3**](http://www.stem.org.uk/rx34f3) | **Fantastic fruits,**  Collect a selection of fruits. Are they all the same? Do you know what they look like in-side?  Look inside—what patterns do you notice?  [**www.stem.org.uk/rx64kj**](http://www.stem.org.uk/rx64kj) |
| Is STEM Overrated? | Psychology Today | **Fun with flight**  Design and make a paper aeroplane that will travel the furthest.  Does changing your design make it go further?  [**www.stem.org.uk/rxfjy7**](http://www.stem.org.uk/rxfjy7) | 1851 Trust's Girls in STEM – Luck's Yard Clinic |