

| <u>Activity</u> | <u>Hand soap dispenser.</u> |
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| <u>1</u> | <p>It is important to wash your hands to make sure that you don't spread germs.</p> <p>Can you design a soap dispenser that will help to stop germs from spreading?</p> |
| 2 | <p>You need to consider what is needed for this soap dispenser.</p> <ol style="list-style-type: none"> 1) How will you make the soap come out? 2) What will you make it of? 3) How do you fill it? 4) What sort of soap will it use? 5) How do you make sure that parts that are touched don't pass on anything to the next person that uses it? <p>Look at soap dispensers you might have at home and look at soap dispensers that you can get at supermarkets, online soap dispensers, even those you have used at school.</p> <p>Draw or print off pictures of them and see how they work.</p> <p>Compare them with the questions above and write comments to explain how they fit the questions above.</p> |
| 3 | <p>Design your own soap dispenser.</p> <p>A good design needs to answer the questions above and any others that might have come up when you were looking at soap dispensers. Draw it from the top, front and back. Think about the shape and how that will help.</p> <p>Annotate the design to explain each part.</p> <p>Make sure that you say what it is made of.</p> <p>How have you attached parts to it?</p> <p>How does it work?</p> <p>How it is kept clean?</p> |
| 4 | <p>Make the soap dispenser (you can use old bottles extra as the base.)</p> <p>Fill it with soap and use it for a few days to see how well it works.</p> |
| 5 | <p>Evaluate your dispenser.</p> |

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| | <p>This means looking at the questions that you investigated at the beginning of the design process and say how your design fits those questions.</p> |
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| | <p>Say how you would change the design and what impact you hope that change would have.</p> |
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