

Week 4	<p><u>Hand soap dispenser.</u></p> <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>	<p><u>PPE Face mask</u></p> <p>Staff need protective face masks.</p> <p>Can you design and make a mask?</p> <p>That will help protect them from catching a virus.</p>	<p><u>Nutritious food</u></p> <p>People who are on the front line need good healthy food that is easy to hold, doesn't get them messy but gives them the right balance of nutrition and energy.</p> <p>Can you create a healthy snack?</p>	<p><u>Protective and practical apron</u></p> <p>Staff that are working need to be protected but also need to be able to carry out their job safely. Design an apron or scrub that protects the user but gives them practical solutions to things like where to put pens, paper and equipment so they don't get lost.</p>	<p><u>How to transport goods around safely</u></p> <p>When working in hospitals, schools and care homes, staff have lots of equipment that needs to be transported from one place to another. Can you design a mode of transport that they can use to move the equipment around?</p>
Week 5	<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</p>	<p>You need to consider what is needed for a mask</p> <ol style="list-style-type: none"> 1) Think of its function, what it needs to do and how the mask will accomplish this 2) Think of how it will fit the wearer 3) Think of it being reusable 4) Think of comfort for the wearer. <p>If you have masks at home, try them on to see how they feel - would</p>	<p>You need to consider what is needed for this snack</p> <ol style="list-style-type: none"> 1) Think about the needs of the consumer. They need to stay healthy but need energy. 2) How will they hold the snack? They don't want lots of dirty plates and forks 3) It can't be too messy - they don't want food all over their 	<p>You need to consider what is needed for this apron.</p> <ol style="list-style-type: none"> 1) What is the job of the apron? 2) How will it keep people safe? 3) How will you clean it? 4) How will it stay on the wearer? 5) Is it adjustable to fit the wearer? 6) How will it allow the wearer to store equipment? <p>Find aprons in your house and look online. Identify what is good</p>	<p>You need to consider what is needed from a good trolley to transport equipment. If you have trolleys at home e.g. a shopping basket or wheelie basket, study them as well as going online and researching what carts and trolleys look like.</p> <p>Draw or print what you find and evaluate it by annotating the picture to say what is good and what won't work for your needs.</p>

	<p>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>	<p>you want to wear them for a long time? Look at different masks online, use these to help inform the information above. Record your findings</p>	<p>fingers, clothes or the floor.</p> <p>4) It needs to be tasty and can be either savoury or sweet.</p> <p>Look at a range of snacks online - it could be anything from cakes to tacos. Evaluate what is good about them and what you need to improve. Find the recipes and see if there are ideas you can use to create your snack.</p> <p>Record all your findings. You might even have to do some food tasting.</p>	<p>and not so good about them.</p> <p>Record your findings and ideas about aprons. You can even draw and label them.</p>	<p>Think about</p> <p>1)What has it got to carry? Bed linen, books, medical records, food, cleaning equipment?</p> <p>2)How do these trolleys cope with this?</p> <p>3)How will you make them move?</p> <p>4)How will they manoeuvre around obstacles?</p> <p>5)How will you make sure that they are sturdy?</p> <p>6)How will you make sure that they are easy to clean?</p> <p>7)What will you make it out of?</p>
Week 6	<p>Design your own soap dispenser. A good design needs to answer the questions above and any others that might have come up when you were looking at soap dispensers.</p> <p>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>Design your mask. A good design needs to answer all the questions that you posed and found out about last week. Draw it from several views: the front side and back. Annotate the design to explain each part.</p>	<p>Design your Snack. A good design needs to answer the questions that you looked at last week and any that arose from investigating what makes a good snack. Draw the snack in three views: from the front, side and back. Annotate the design.</p>	<p>Design your Apron. A good design needs to answer the questions that you looked at last week and any that arose from your investigation of what makes a good apron.</p> <p>Draw the front and back of your apron.</p>	<p>Design your own trolley. A good design needs to answer the questions that you looked at last week and any that arose from your investigation. Draw the front, back and sides of the trolley. Annotate the trolley to answer the questions</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>	<p>Make sure you identify what it is going to be made out of and why.</p> <p>How are you going to attach it together?</p> <p>Identify how you will make it comfortable for the wearer and how they can adjust it to fit them.</p> <p>Can you add something to make it look cool?</p>	<p>Say how it is going to be easy to hold.</p> <p>How it will be designed so that if it has any filling it won't fall out?</p> <p>Explain how it is going to be nutritious.</p> <p>Write out the ingredients and recipe for your snack. How will you design it to make it look appealing?</p>	<p>Annotate the design and say what you will make it out of and why.</p> <p>How you will attach it together?</p> <p>How will you clean it?</p> <p>Say what each part of the apron is for and how it will help the wearer.</p>	<p>from the week before.</p> <p>Explain what material you used and how you joined it; how it moves; how you will keep the different pieces of equipment separate and clean.</p>
Week 7	<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>	<p>Make the mask using the materials you suggested.</p> <p>Make it to fit yourself or a member of your household.</p>	<p>Make your snack.</p> <p>Get several people to try your snack and ask them to evaluate it against the criteria.</p> <p>E.G Can you hold it?</p> <p>Does it taste nice?</p> <p>Does it look appetising?</p> <p>Does it hold the food securely?</p>	<p>Make your apron.</p> <p>It can be to fit a person or a model depending on the amount of resources that you have.</p>	<p>Make your trolley -</p> <p>It doesn't have to be life size - a working model will be fine.</p>
Week 8	<p>Evaluate your dispenser.</p> <p>This means looking at the questions that you investigated at the beginning of the design process and say how you design fits those questions.</p> <p>Say how you would change the design and what impact you hope that change would have.</p>	<p>Wear the mask and evaluate it.</p> <p>This means look at each question that you answered and raised in week one to see if your mask solves the problem.</p> <p>If so, say how. If not explain how you would improve it.</p>	<p>Using your and the evaluation of others, write how well you think your snack met the brief.</p> <p>Use the evaluation to explain how you would make your snack even better.</p>	<p>Wear the apron and evaluate it.</p> <p>Is it easy to clean?</p> <p>Was it comfortable to wear?</p> <p>How easy was it to do up?</p> <p>How well were you able to store your equipment, pens, paper, etc?</p>	<p>Try the model out- does it work the way you intended?</p> <p>Evaluate if it answers the questions that you asked.</p> <p>Does it carry the equipment?</p> <p>Can it be easily moved and pushed?</p> <p>Can you clean it easily?</p>

				<p>How easy was it to make?</p> <p>Were you able to join it easily?</p> <p>Use the evaluation to alter your design explaining why and what you have changed.</p>	<p>Is it sturdy enough for the job?</p> <p>Use the evaluation to alter your design explaining why and what you would change.</p>
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