Design Questions

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| **No.** | **Year** | **Subject** | **Design specification** |
| 1 | Sample | **Packaging for Torch**  The torch uses an ultra-bright light emitting diode (LED) which is energy efficient. Overall dimensions:  Length – 20 cm  Diameter – 5 cm | The specification for the package of the torch is that it should:   1. securely hold the torch inside the package 2. clearly show the torch inside the package 3. allow customers to easily remove the torch from the package 4. be easily stacked or hung in shops for retail display 5. display the brand name ‘Ultra Torch’ on the outside of the package 6. use graphics that make the consumer know that the product is energy efficient 7. be manufactured using appropriate materials 8. be manufactured using processes suitable for mass production. |
| 2 | 2011 | **Packaging for Cartoon Action Figures**  The two cartoon action figures called POCO and LOCO. Dimensions given | The specification for the commercial package is that it must:   1. contain two cartoon action figures 2. hold both figures securely whilst in transit 3. allow both figures to be clearly visible within the package 4. display the names of the two cartoon figures 5. allow the package to either hang on racks or stack on shelves for display 6. allow customers to easily remove the figures from the package 7. be manufactured using appropriate materials 8. be manufactured using processes suitable for mass production. |
| 3 | 2012 | **Information kiosk**  A new transport museum requires interactive information kiosks to be placed within the building in order for visitors to access information about the exhibitions | The specification for the interactive information kiosks is that they must:   1. Allow for information to be input 2. Allow for information to be accessed 3. Reflect the theme of the transport 4. Be easily recognised from a distance within the museum 5. Be suitable for both children and adults to use 6. Allow access to the indie of the information kiosk for maintenance 7. Use appropriate materials available in a school workshop 8. Use manufacturing processes suitable for batch production. |
| 4 | 2013 | **Pizza Box**  A new pizza restaurant, ‘ProPizza’, needs a package for hot takeaway pizza slice. Dimensions given. | The specification for the package is that it must:   1. be capable of holding two pizza slices 2. enclose the pizza slices 3. keep the pizza slices warm 4. be easy to carry 5. include a graphical image to reflect the theme of pizza 6. allow the packages to be stacked before they are used 7. be printed using commercial printing methods 8. be made from a material that can be recycled. |
| 5 | 2014 | **Promotional Display for Club**  The national Bug Club provides experts to give talks to primary school pupils. A promotional display is required to advertise the national Bug Club. The logo for the club is given. | The specification for the promotional display is that it must:   1. have a bug theme 2. fit on a surface 500 x 500 mm 3. be stable in use 4. hold at least 20 membership cards (100 x 80 mm) 5. allow easy removal of membership cards 6. use a method of applying the Bug Club logo 7. use manufacturing processes suitable for one-off production 8. use appropriate materials available in a school workshop. |

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| 6 | 2015 | **POS display stand for DVD/Blu-ray**  A new wildlife film is being released on standard DVD and Blu-ray formats.  A point of sale (POS) display stand is required to promote the sale of the film. | The specification for the display stand is that it must:   1. hold six DVD cases and four Blu-ray cases 2. display the front cover for both formats clearly 3. allow easy removal and replacement of the cases 4. be stable 5. be easy to assemble 6. have a wildlife theme 7. use a commercial method of manufacture 8. be made from materials appropriate to this manufacturing method |
| 7 | 2016 | **Chocolate Egg Packaging**  The hollow chocolate egg shown below is to be promoted with a new package. The egg will be wrapped in plain foil for protection and hygiene. | The specification for the package is that it must:   1. hold the egg upright 2. allow the egg to be seen 3. have a closable lid 4. show a graphic image to reflect an egg theme 5. allow it to be hung up on display in a shop 6. use a recyclable material 7. use a commercial method of printing 8. use a commercial finishing technique. |
| 8 | 2017 | **POS for Chip Shop**  You have been asked to design a point-of-sale display for ‘Sue’s’, a chip shop. | The specification for the point-of-sale display is that it must:   1. hold four cones of chips upright 2. hold the cones of chips securely 3. have a stable base 4. be easy to wipe clean 5. be easy to get the cones in and out of 6. use a display method to show the name ‘Sue’s’ 7. be produced from readily available materials 8. be manufactured using processes available in school. |
| 9 | 2018 | **Packaging for a range of Bathroom Products**  You have been asked to design a package for a range of bath and shower products that are made from natural ingredients. | The specification for the packaging is that it must:   1. have a nature theme 2. hold three bottles 3. keep the bottles upright 4. allow the fronts of the three bottles to be seen 5. allow it to be displayed in a shop 6. allow the bottles to be removed easily from the packaging 7. be produced from materials that can be recycled 8. be manufactured using processes suitable for batch production. |