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| **Build a Bunny craft activity** | | | |
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| Making structures from card strips and assembling these into animal forms | | | |
| **Stay safe**  Whether you are a scientist researching a new medicine or an engineer solving climate change, safety always comes first. An adult must always be around and supervising when doing this activity. You are responsible for:    • ensuring that any equipment used for this activity is in good working condition  • behaving sensibly and following any safety instructions so as not to hurt or injure yourself or others    Please note that in the absence of any negligence or other breach of duty by us, this activity is carried out at your own risk. It is important to take extra care at the stages marked with this symbol: ⚠ | | | |
| **Subject(s):** Design & Technology, Mathematics  **Approx time:** 50 – 80 minutes |  | | **Key words / Topics:**   * Assembly * Template * Structure |
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| **Suggested Learning Outcomes** |  | |  |
| * To understand how structures are made using separate parts * To be able to make and assemble a bunny structure from card strips | | | |
| **Introduction** |  | |  |
| This is one of a set of resources designed to allow learners to use Easter themes to develop their knowledge and skills in Design & Technology and Mathematics. This resource focuses on building a card structure, to make a bunny. | | | |
| **Purpose of this activity**  In this activity learners will learn about 3D structures within a graphical project. Leaners will have an opportunity to use a template to help them cut out the parts for a card Easter bunny.  This activity could be used as a main lesson activity, to teach learners about simple structures made from separate parts. | | | |
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| **Activity** |  | | **Teacher notes** |
| **Introduction (10-15 minutes)**  Teacher to explain that learners are going to make an Easter bunny using card strips from a template.  Teacher to hand out equipment and worksheet needed for the task to learners.  **Making the Easter bunny (30-50 minutes)**  Teacher to demonstrate the steps shown in the presentation and listed below:   * Step 1 – Safely cut out all the bunny parts. Fold the ears on the fold line. * Step 2 – Fold the strips in half to create a centre crease for reference. Stick the longer body strips together with a glue stick, in the sequence shown in the presentation. * Step 3 – Stick the body together in the sequence shown in the presentation. * Step 4 – Repeat steps 3 and 4 to make the head. Stick the head to the body. * Step 5 – Stick on the eyes, the nose and the ears,.   Learners to complete each step for themselves. The teacher presentation could be left on the whiteboard as a supporting guide as they do this.  **Discussing the results of the activity (10-15 minutes)**  Teacher to explain how nets are used to make objects and how separate parts are used to make a larger structure.  Learners to share their completed bunnies with the class. |  | | **Build a bunny activity**  Print the activity sheet onto thin card and distribute to the learners.  Step 1 – Point out the solid and dotted ear folding lines.  Step 2 – use the centre crease to know where to join the strips together.  Step 3 – Use the centre crease to line up the centres of the strips when gluing them together.  Step 5 – stick-on googly eyes could be used if available.  Learners could decorate the Easter bunny if time allows. |
| **Differentiation** |  | |  |
| **Basic** |  | | **Extension** |
| * Provide learners with pre-cut parts from the template sheet (or at least the strips, which could be cut by the teacher using a guillotine). |  | | * Learners add their own design to their animals or make other animals of their own design. |
| **Resources** |  | | **Required files** icon-docicon-pdficon-ppt |
| * Glue sticks * Card * Scissors * Stick on googly eyes (if available) |  | | icon-ppt Teacher presentation – Build a bunny craft activity  icon-pdf Build a bunny craft activity handout sheet |
| **Additional websites** |  | |  |
| * **BBC Bitesize –** 3D Shapes: https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zcsjqty | | | |
| **Related activities (to build a full lesson)** |  | |  |
| **Starters** (Options)   * Watch the video: **BBC Bitesize –** 3D Shapes: https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zcsjqty | | **Extension** (Options)   * Learners add their own design to their animals or make other animals of their own design.   **Plenary**   * Learners to share their Easter bunny with the class. | |

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| **The Engineering Context** film |
| Engineers use nets and card to allow them to make scale 3D models of buildings and other structures, as well as packaging for products. |

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| **Curriculum links** | |
| **England: National Curriculum**  Mathematics  KS2 Geometry   * recognise, describe, and build simple 3-D shapes, including making nets. | **Northern Ireland Curriculum**  KS2 – Mathematics and Numeracy  Shape and Space   * build and make models with 3D shapes; create pictures and patterns with 2D shapes. |
| **Scotland: Curriculum for Excellence**  Numeracy and Mathematics  Shape, position and movement  MTH 2-16   * Through practical activities, I can show my understanding of the relationship between 3D objects and their nets. | **Wales: National Curriculum**  Mathematics  KS2 – Using geometry skills   * construct solids from given nets. |
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| **Assessment opportunities** |
| * Informal teacher assessment of practical skills through observation of learners. * Formal teacher assessment of activity results. |