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| **Activity title** |
| **Making a vehicle for an egg race** |
| **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:⚠ |
| **Time required** |
| 1.5 - 2 hours |
| **Activity summary** |
| Have fun with this activity and see if you can design and make a vehicle to transport an egg in a race. Once your vehicle is complete why not race it against your friends’ and have a prize for the winner? |
| **What equipment will you need?** |
| * Card * Straws * Wooden dowels or skewers with sharp points removed * Wheels (wood or card) or plastic bottle tops * Card tubes * Masking tape * Glue * Glue guns if available * Scissors * Rules or rulers for measuring |
| **How to do it** |
| **Step 1 – Making the base** ⚠   * Cut a piece of card 150mm (length) x 70mm (width)   **Step 2a – Making the wheel axles** ⚠   * Cut two straws to a length of 70mm each * Use masking tape to stick the straws to each end of the card base   **Step 2b – Making the wheel axles**   * Insert your dowel into the straws * Leave an equal amount of space on each side for the wheels to fit   **Step 3 – Adding the wheels**   * Put glue in the middle of the inside of each bottle top * Use this to join each bottle top to each dowel * These are your wheels!   **Step 4 – Making the egg holder** ⚠   * Turn your car upside down * Cut a toilet roll holder to a third of its usual size * Glue or tape this to the main body of the car   **Step 5 – Further thoughts…**   * Think about how you could add a source of thrust to your racer, e.g. you could use an elastic band, a balloon or even an electric motor. |
| **Easter jokes** |
| * **Is it true that rabbits have good eyesight?**   Well, have you ever seen a bunny in glasses?   * **Why did the Easter egg hide?**   Because it was a little chicken   * **Where does the Easter bunny get it’s eggs from?**   An eggplant |
| **Fun facts** |
| * An old legend states that people who share a hot cross bun will remain good friends for the year and even has its only rhyme “half for you and half for me, between us two shall goodwill be”. * Every year, London’s Trafalgar Square hosts a free open-air play ‘The Passion of Jesus’. If you can’t get to London, it is also streamed live of Facebook. * During the Easter celebrations, the streets of Guatemala, El Salvador and Honduras are decorated with ‘alfrombras’ or religious art made out of colourful sawdust. In a similar way to rangoli made for Diwali. |
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