**What I already know:**

- Explore existing products
- Investigate how they have been made
- To discuss what they would like to make
- To use pictures and words to convey their ideas
- To test out other products
- To say good and bad points of their design and why?
- To say good and bad points of their model and why?

**Design and Technology skills**

- To decide how existing products, do/do not achieve their purpose?
- To use picture and words to show their design and what they want to make.
- To join appropriately for different materials and situations e.g. glue, tape.
- To explore how to make structure stronger and test different methods on how to enable structures to remain stable
- To cut along lines, straight and curved.
- To add notes to drawings to help explanations.
- To select materials from a limited range that will meet the design criteria.
- To explain what they are making and why they have chosen the material they have chosen to use.
- To say what they like and don't like about their product and why
- To discuss how the product meets the needs of the user.

**Key Vocabulary**

- **Attach –** to connect materials together
- **Design –** to draw and think about what you want to make
- **Make –** to put your design together
- **Materials –** items used to make your product
- **Straight –** A line or side that is not curved or bent
- **Curve –** a bend or arch
- **Develop –** to improve something over time
- **Recycled –** A product or material that has been used before
- **Model –** a finished product to display your design
- **Progress –** forward onward improvement to the final product
- **Drawing –** ideas on paper for the finished product
- **Attempt -** make an effort to achieve or complete
- **Criteria –** a range of ideas to stick to for your design
- **Product –** the finished item that has been put together
- **Purpose –** the reason to carry out the project
- **User –** the person or people who will need the finished product
- **Stable –** something that doesn't fall over
- **Evaluate –** look back at what you have made and compare it to the criteria
- **Plan -** prepare what you need to complete your design and how long you need

What made it more stable?
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_____

What did you like and not like about what you used to make the product?
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_____

How closely did your finished product meet the needs of the user?
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_____

What did your finished product look like compared to your plan?
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_____

How would you improve your finished product?
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What would you do differently next time?
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