



Theme Overview		Project Outcomes	
In this Design and technology unit, the children will explore a range of moving mechanisms and use them to design a Mother's day card to appeal to a mother figure in their life.		To design, create and evaluate a moving card.	
Skills Focus Main Skills Focus: Understanding context, user and purpose <ul style="list-style-type: none"> to state who the product is for; to use simple design criteria. Generating, developing, modelling and communicating ideas <ul style="list-style-type: none"> use knowledge of existing products to help with ideas; Generate initial ideas and design criteria through investigating a variety of fruit and vegetables. Communicate these ideas through talk and drawings. 	Key Vocabulary Design, create, evaluate, purpose, audience, event, Mother's Day, card, flowers, pop-up, mechanisms, sliders, levers, hinges, steps.		
	Sequence of Learning		
	Lesson 1: To explore a range of mechanisms and make mock-ups of each type Start class discussion with topic of Mother's day - what sort of images do they associate with it? Explain we will be designing our own moving Mother's day cards. First we will explore the different mechanisms that we could use to make the moving parts - levers, sliders, hinges. Children will explore making mock-ups of each type, discussing pros and cons of each type in relation to using them in a card. Once they have decided on a type of mechanism they can draw a design in their sketchbook.	Lesson 2: to design a card, with the intended audience in mind. Look again at some existing Mother's day products - what visuals are commonly used, which do they think would appeal to their own intended audience? Model designing the card, with the audience in mind, emphasising the importance of neat, careful work. Label the design with the key design features. Children design their own moving card.	
Planning:			

- to plan by suggesting what to do next; to select from a range of tools and equipment; select from a range of components and materials according to their characteristics.

Practical skills and techniques

- follow procedures for safety;

Health and Safety:

Risk assessments should be carried out prior to this unit - glue guns only to be used by adults.

Lesson 3: to create a card based on their previous design.

Show children examples of cards made to follow a design, one carefully made and one not. Can they see the difference? Reinforce the idea that the process needs to be carefully done rather than rushed, to create a beautiful end product that the audience will appreciate.

In small groups children will make the cards as per their design criteria.

Lesson 4: to evaluate their finished product

Use powerpoint to work through the evaluation questions: what went well? What would we change?

Children answer the evaluation questions in their sketchbooks.