

Year 6 Tech

If you are working on this booklet it means we aren't at school for a while. The work inside is either a continuation of the work we did on mechanisms if you have done the automata project. This time you will be working with paper instead of plywood. If you have not yet done the automata project this will be an introduction to mechanisms for you.

Try your best to have a go at all of the activities. Some of them you may find a little bit tricky but have a go and see what you can do.

If you need any help you can always email me and I will reply as soon as I can.

Miss Ashby

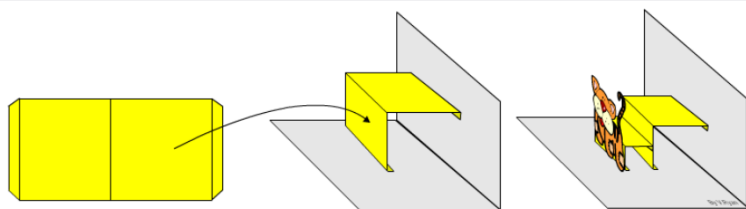
LO: To be able to evaluate an existing pop up card.

MUST: Be able to make some simple points about an existing pop up card.

SHOULD: Answer using full sentences.

COULD: Explain the answers to your questions.

Pop Up Card



Internal stand mechanism

Internal stand mechanisms are glued on to the inside faces of greetings card. When the greetings card is opened the internal stand mechanism 'stands up'.

Existing Product Research



1. Who would this card appeal to and why? (Who would like this card?)

2. What colours have been used on the card and why?

3. How does the pop up mechanism work?

4. What information is included on the card and why?

LO: To be able to make a pop up card using an existing template.
MUST: Be able to follow the instructions to make the card.
SHOULD: Include text inside the card. Include a front design for the card. Cut the internal stands
COULD: Accurately cut the internal stands and line up the chicks and parts of the egg so it looks

Pop up Card Instructions

1. Cut along the dotted lines around the edge of the paper.
2. Fold the paper in half , have the side with the dotted lines facing you.
3. Cut along each dotted line.
4. Open the paper and push each cut piece out (3 in total), folding out the crease to create the 3 right angled internal stands.
5. Turn the paper over and glue around the edge to attach it to another piece of paper.
6. Cut out the pictures of the chick and egg shells.
7. Glue the chick to the middle stand and the egg shells either side to show it hatching.

The pop up mechanism is now made. To finish the card:

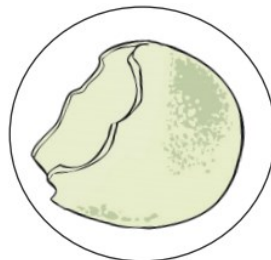
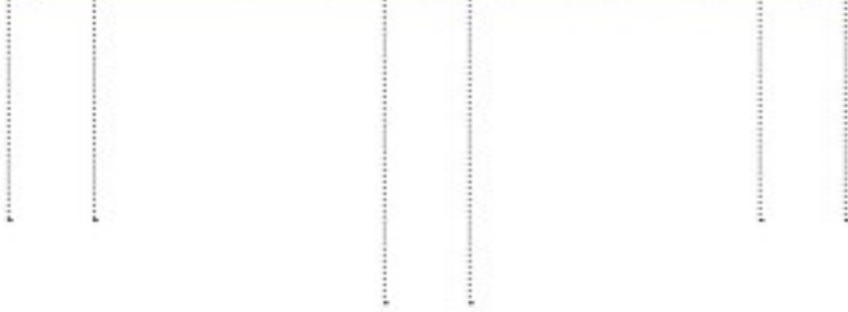
1. Add the words 'Happy Easter ' and a personal message inside. Think about your lettering and where you are going to position it.
2. Add an Easter design to the outside of the card.

Fill this in when you have completed the card on the next page.

Self assessment of the pop up card		
	WWW (What went well)	EBI (Even better if)
Cutting the lines		
Folding the internal stands		
Attaching the chick and eggs		
Adding the writing and message		
Producing the outside of the card.		

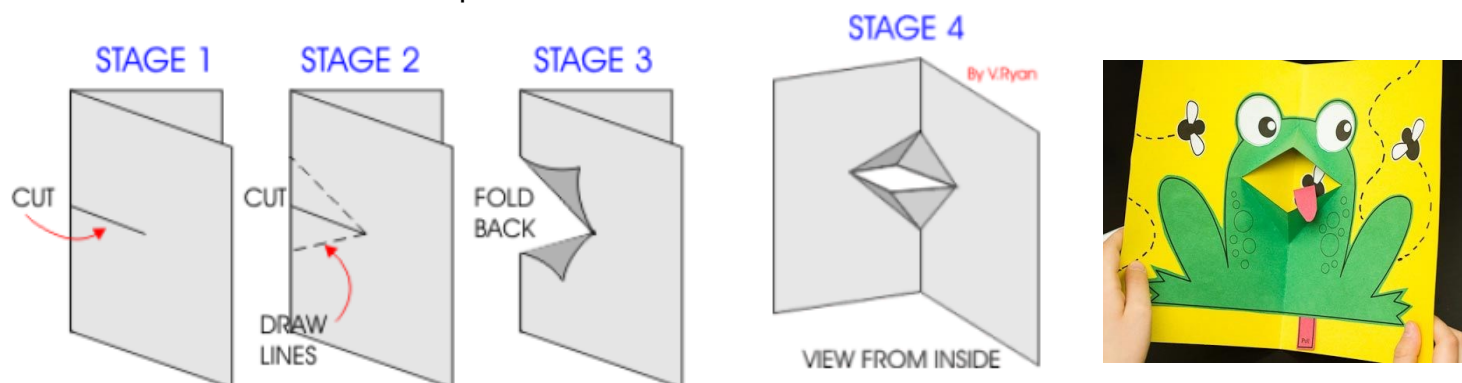
If you were to make the card again what would you do differently?

Easter Pop Up Card - follow the instructions on the previous page to make the card.



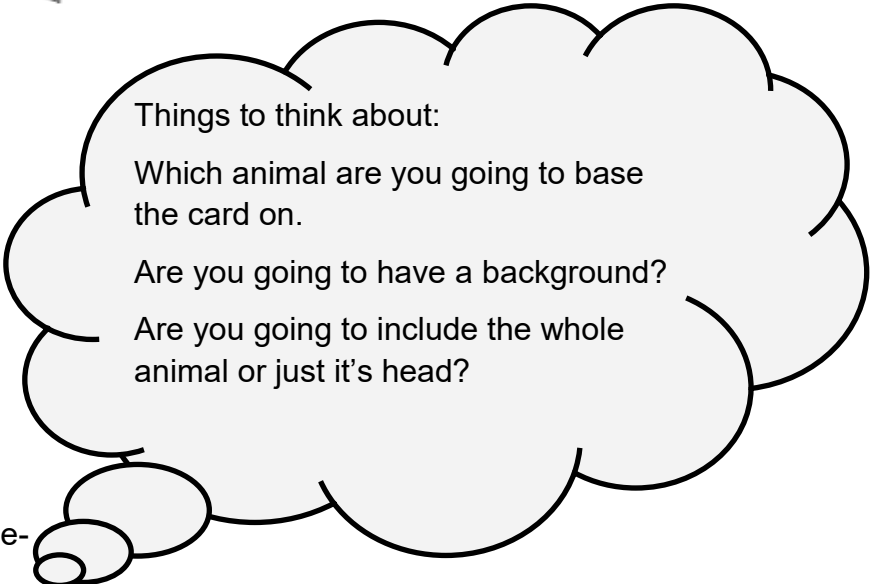
LO: To be able to design a pop up card with a mouth mechanism.
MUST: Be able to draw some ideas for the card based on animals. The ideas are coloured with
SHOULD: Consider the positioning of the mouth and have this as a feature of the card. Explain the
COULD: Include a background design. Explained the strengths and what would changing for the

Mouth Mechanism Mouth mechanisms are made from the internal piece of card. The card is cut and pieces folded back to make a sec-



Design Brief

Design and make a pop up card that uses a mouth mechanism. The card should be based on an animal. It should be suitable to send to children.



Draw some quick sketches of possible ideas for your card.

Which of your sketches are you going to draw as a design idea and why?

Design Idea

Draw, colour and label your chosen idea. In your labels include how it is suitable for children, whether it is based on the head or whole animal, why you have chosen the animal.

Inside of the card with the mouth mechanism

Front of the card

Strengths of the design

Things I need to change before making my pop up card.

Which idea are you going to make and why?

LO: To be able to adapt and make a pop up card using a set of instructions.

MUST: Be able to follow the instructions to make the card.

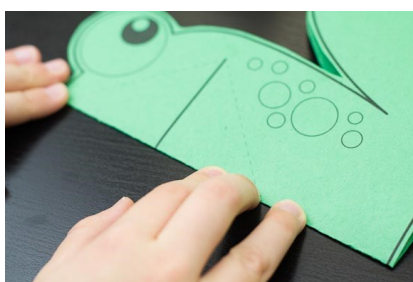
SHOULD: Use your design idea and chosen animal, have a working pop up mechanism. Be col-

COULD: Include a front design for the card. The cuts and folds should be accurate.

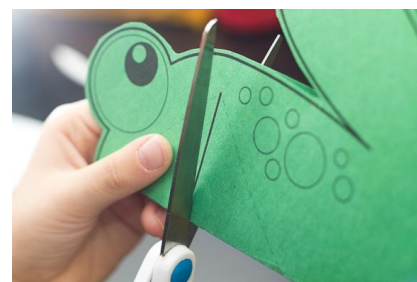
These instructions show you how to make a pop up card with a mouth mechanism based on a frog. You need to use these instructions to make your animal pop up card from your design idea sheet.



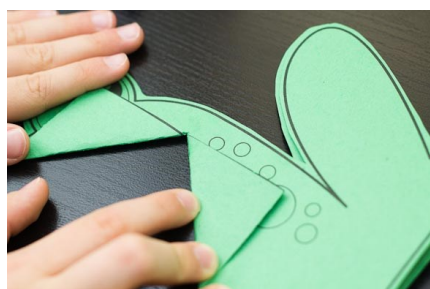
1. Cut out all the pieces.



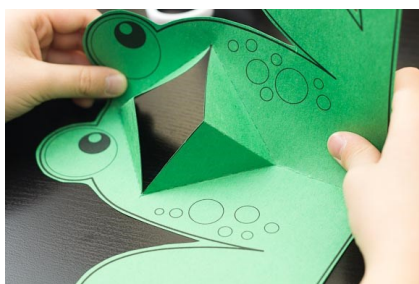
2. Fold it in half along the dotted line.



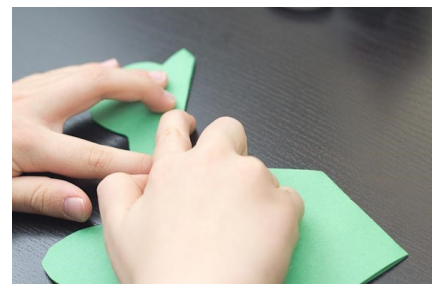
3. Cut the mouth.



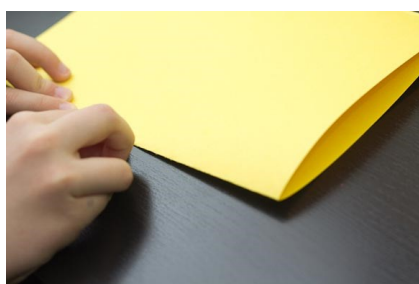
4. Fold the mouth along the dotted lines, flip it over and reverse that same fold.



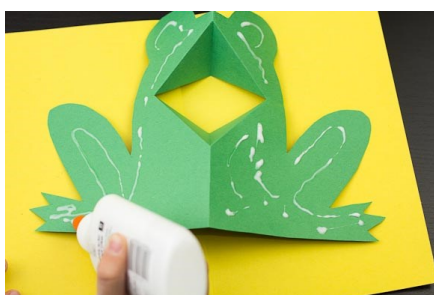
5. Open the animal up and reverse the body fold. The mouth should pop open making a diamond shape.



6. Completely fold the animal with the mouth open inside. Then run your finger along all the folds.



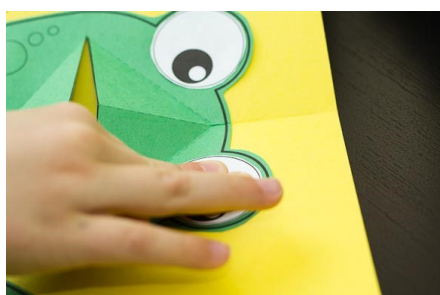
7. Fold a separate piece of paper in half.



8. Turn over the animal and add glue.

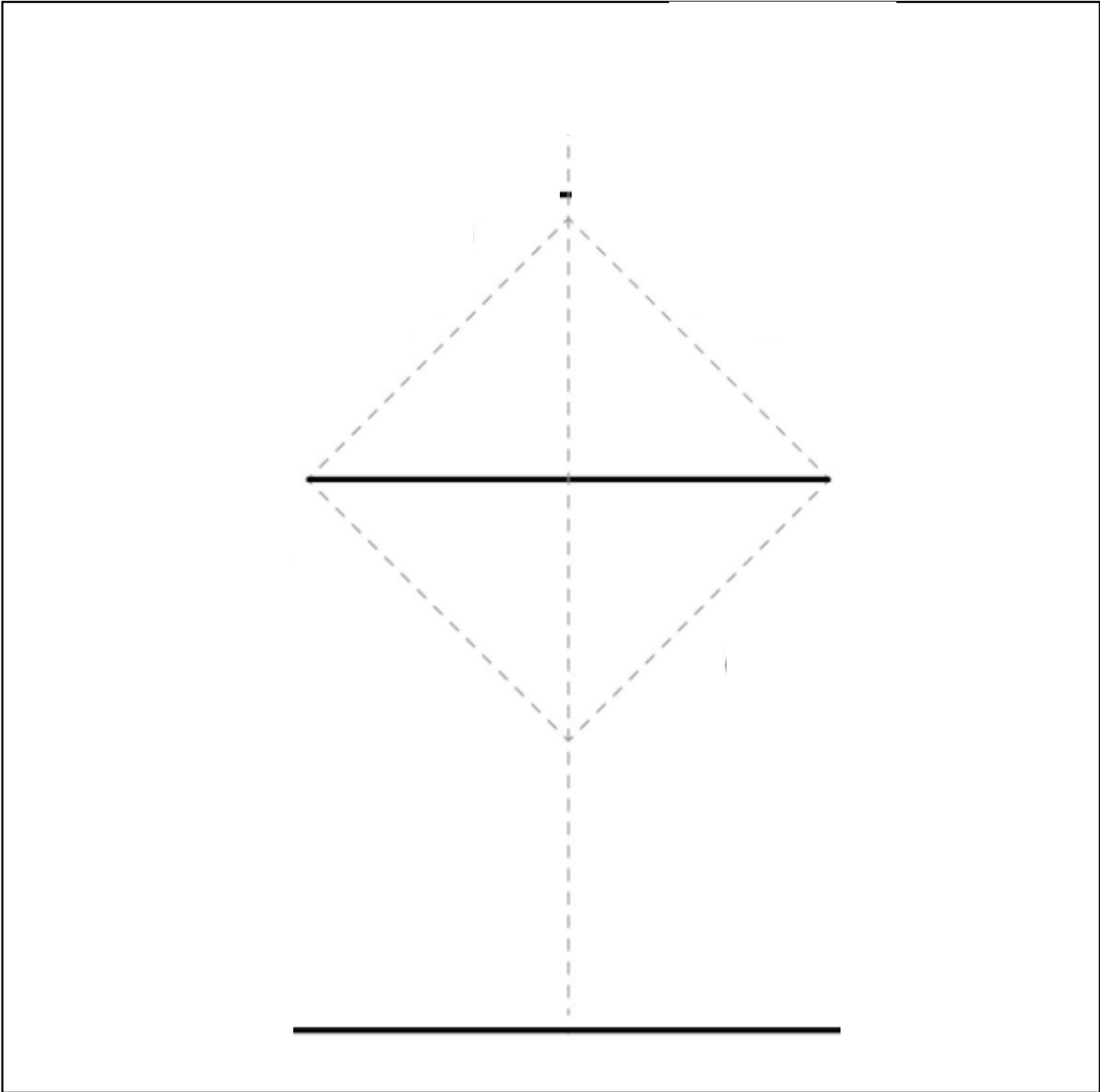


9. Line up the centre fold of the animal with the centre line of the separate piece of paper, then press down.



10. Draw, colour or glue on details.

Mouth mechanism pop up card—Draw your design around the mouth.



LO: To be able to evaluate the finished pop up card
MUST: Give a simple answer to the questions.
SHOULD: Explain the points you make in your answers. Give a change tha could be made to the pop up card if you were to make it again.
COULD: Explain why you would make changes to the pop up card if you were to make it again, in-

Evaluation

Does your made pop up card look like your design idea? Explain how it does or doesn't.

Does the mouth mechanism work well? Explain.

Is your cutting and folding neat? Explain.

Would it be suitable for a child? Explain.

If you were to make your pop up card again what changes would you make?

Draw a picture to show the changes you would make.