Lyng Primary School Knowledge Organiser
Design Technology
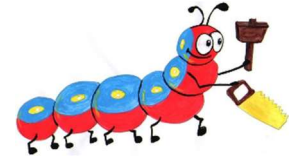
Topic: DT	Christmas	Year 4	Autumn

Design Brief for pupils:

- Explore pre-existing pop cards already on the market and analyse their effectiveness, audience, and purpose.
- Generate designs for a Pop-up Christmas card which have Christmas symbolism.
- Decide and promote the product's USP (Unique Selling Point).
- Experiment with and practise creating pop-up cards using different mechanisms.
- Make an effective Christmas pop-up card using an appropriate mechanism.
- Using digital software to design the front of the card.
- Evaluate product and discuss any improvements.

Purpose: SMIGGLE have employed you to create a new pop-up Christmas card design for their store.

Audience: Children who are buying Christmas cards for friends/ family.

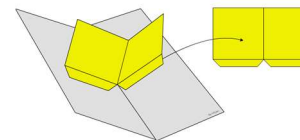## What Goldilocks and Step On words will I use?

Spelling	Defintion
Analyse	examine (something) methodically and in detail, typically in order to explain and interpret it
Mechanism	a system of parts working together
Pop-up	(of a book or greetings card) containing folded cut-out pictures that rise up to form a three-dimensional scene or figure when the page is turned.
Purpose	the reason for which something is done or created or for which something exists
Signify	be a symbol of; have as meaning (i.e Christmas symbols)
UPS (Unique Selling Point)	a feature or characteristic of a product, service, etc. that distinguishes it from others of a similar nature and makes it more appealing.

Skills and techniques

- Take inspiration from Pop-up designers and engineers to generate ideas for design.
- Explore designs and evaluate effectiveness.
- Analyse pre-existing pop-up cards.
- Create designs building on ideas.
- Design and make a Christmas pop-up card
- Select appropriate materials
- Choose suitable techniques to construct and join a product
- Cut materials accurately and safely.
- Measure and mark out to the nearest millimetre
- Use digital software to design the front of the card
- Evaluate product and discuss how to improve product.

Autumn Term
Design, make, evaluate and improve.

Agreed outcome:
To design, make, evaluate, and improve on a Christmas pop-up card using Christmas symbolism.

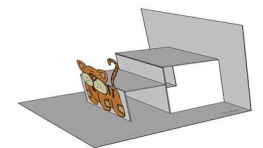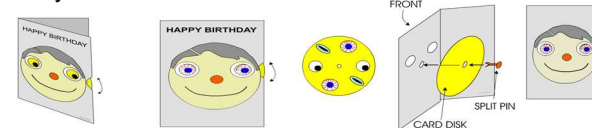## Different mechanisms to make Pop-up cards?

V- fold mechanism

Internal stand mechanism 1
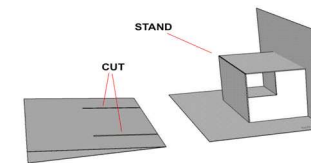
Internal stand mechanism 2

Rotary card mechanism

Mouth mechanism