

Year 1, Term 2 — Knowledge Organiser — DT — Enchanted Woodland

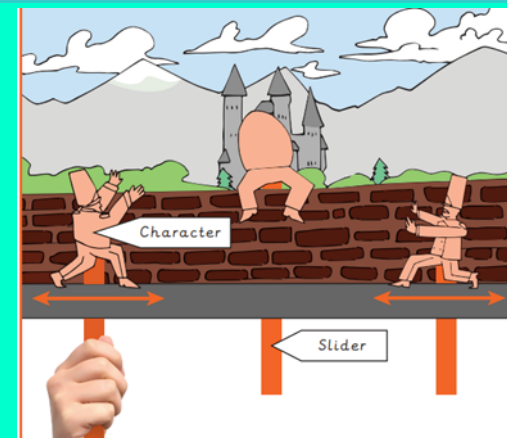
Subject Specific Vocabulary

word	definition
Design	to make, draw or write plans for something
Design criteria	A set of rules to help you with your ideas and test the success of them
Evaluation	when you look at the good and bad points about something, then think about how you could improve it
Mechanism	a system of parts working together
Model	a practise version, often on a smaller scale, that lets you test out your idea and see how it will look and
Sliders	something that can move from side to side or up and down
Stencil	a shape which you can draw around
Target audience	a person or a group of people at whom a product is aimed
Template	a stencil which you use to help you draw a shape more easily on to different materials
Test	to find out whether something works as it should

Knowledge

- Explain how to adapt mechanisms, using bridges or guides to control the movement
- Design a moving story book for a given audience
- Follow a design to create moving models that use levers and sliders
- Test a finished product, seeing whether it moves as planned and if not, explaining why and how it can be fixed
- Review the success of a product by testing it with its intended audience
- Know that a mechanism is the parts of an object that move together
- Know that a slider mechanism moves an object from side to side
- Know that a slider mechanism has a slider, slots , guides and an object
- Know that bridges and guides are bits of card that purposefully restrict the movement of the slider

Inspiration



Year 1, Term 3 - Knowledge Organiser — DT — Pirates (Hardtack biscuits)

Subject Specific Vocabulary

word	definition
Scales	Used to weigh dry ingredients.
Measuring jug	Used to measure liquid ingredients.
Mixing bowl	Used to mix ingredients together.
Saucepan	A small deep cooking pan with a handle .
Sieve	An object with mesh or small holes through which flour or sand may be forced to make fine particles or through which
Rolling pin	A long cylinder for rolling out dough .
Baking tray	A rectangular metal sheet with a rolled edge used for baking .
Wire rack	A tray on which baked goods can be placed to cool down.
Melt	To change from a solid to a liquid state usually by heat .
Measure	A utensil (such as a graduated cup) for measuring .
Preheat	To heat the oven beforehand .
Dough	A mixture of flour and a liquid (such as milk or water) and is stiff enough to knead or roll .

Knowledge

Describe appearance, smell and taste

Design and prepare dishes using knowledge of healthy eating.

Understand that all food comes from plants or animals. Understand that some food is grown, like on an allotment or farm, but other food is caught .

Understand basic food hygiene.

Know how to keep themselves and others safe whilst preparing and cooking food.

Inspiration



Year 1, Term 3 - Knowledge Organiser — DT — Pirates (Pirate ship)

Subject Specific Vocabulary

word	definition
Waterproof	Resistant to water .
Absorb	To take in (something, such as water) slowly.
Prediction	To say what you think might happen.
Variable	Part of a scientific experiment that may change.
Experiment	A test to see if something will or will not happen.
Investigation	To observe or study closely what happens during the experiment.
Float	To rest on the surface of a liquid such as water.
Sink	To fall to the bottom of liquid such as water.

Knowledge

To generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

To select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate ideas and products against a design criteria

Inspiration



Year 1, Term 4 — Knowledge Organiser — DT — Old Toys: Design and make a sock puppet

Subject Specific Vocabulary

word	definition
Decorate	To add details to a design to improve its appearance.
Design	To make, draw or write plans for something.
Fabric	A natural or man-made woven or knitted material that is made from plant fibres, animal fur or synthetic material.
Glue	A sticky liquid that can join two things together.
Model	A practise version, often on a smaller scale, that lets you test out your idea and see how it will look and work.
Hand puppet	A toy that you can move by putting your hand inside it.
Safety pin	A 'U' shaped pin with a cap where the needle slots in securely after fastening.
Stencil	A shape that you can draw around.
Technique	A way of doing something to complete a task.
Template	A stencil which you use to help you draw a shape more easily on to different materials.

Knowledge

Use a template to create a design for a puppet

Cut fabric neatly with scissors

Use joining methods to decorate a puppet

Sequence steps for construction

Reflect on a finished product, explaining likes and dislikes

Know that 'joining technique' means connecting two pieces of material together

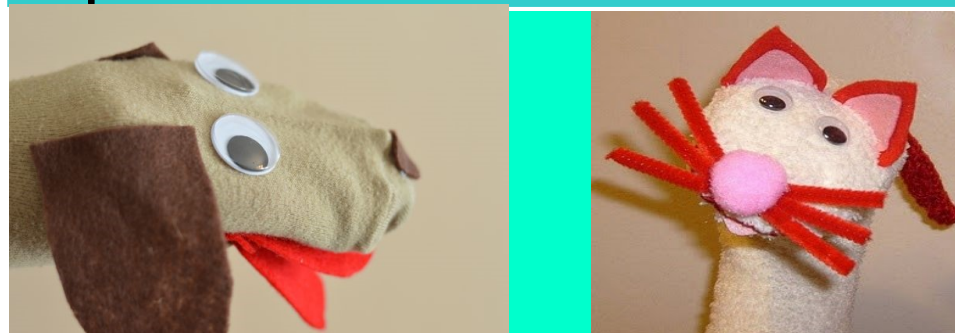
Know that there are various temporary methods of joining fabric by using staples. glue or pins

Understand that different techniques for joining materials can be used for different purposes

Understand that a template (or fabric pattern) is used to cut out the same shape multiple times

Know that drawing a design idea is useful to see how an idea will look

Inspiration



Year 1, Term 5 — Knowledge Organiser — DT — Going Green (Recycled Textile Tree)

Subject Specific Vocabulary

word	definition
Design	To make, draw or write plans for something.
Specification	A detailed plan for something .
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.
Textiles	A woven or knitted cloth .
Texture	How something feels, e.g. rough/smooth, stiff/bendy, warm/cool.
Wrap	To cover by winding or folding
Structure	Something that has been made or put together e.g. a building, table, bridge.
Sample	A single item from a larger whole.
Flexible	An item that can be bent repeatedly.
Paperclip	A length of wire bent into flat loops that is used to hold papers together.
Loop	A fold of string or ribbon.

Knowledge

Know that there are different sorts of materials including textiles.

Know that textiles have different uses.

Know and use simple wrapping techniques.

To make teaching cards for the class tree.

To contribute to a large group task.

Inspiration



Year 1, Term 6 — Knowledge Organiser — DT — Castles and Dragons (Castles)

Subject Specific Vocabulary

word

definition

Assemble

To fix all the parts together.

Design

To make, draw or write plans for something.

Design criteria

A set of rules to help you with your ideas and test the success of them.

Evaluation

When you look at the good and bad points about something, then think about how you could improve it.

Model

A practise version, often on a smaller scale, that lets you test out your idea and see how it will look and work.

Client

The person who you are designing something for.

Net

A flat 2D shape that becomes 3D when assembled

Stable

Object does not easily topple over.

Strong

Object does not break easily.

Weak

Object breaks easily.

Test

To find out if something works as it should.

Knowledge

To understand that the shape of materials can be changed to improve the strength and stiffness of structures.

To understand that cylinders are a strong type of structure.

To begin to understand that different structures are used for different purposes.

To know that a structure is something that has been made and put together.

To know that a client is the person I am designing for.

To know that design criteria is a list of points to ensure the product meets the clients needs and wants.

To know the different features of a castle: drawbridge, moat, tower, portcullis, arrow slits, walkway, gatehouse, keep.

Inspiration

