

Design & Technology Ropley Words

Year 1

Structures

Strong	Not easily broken and can support a lot of weight or resist a lot of strain.
Weak	Breaks easily and cannot support a lot of weight or resist a lot of strain.
Stable	Firmly fixed in position and is not likely to move or fall.
Structure	Something that has been built and consists of parts connected together in an ordered way.
Design	A drawing which someone produces to show how they would like something to be built or made.
Join	A join is a place where two things are fastened or fixed together.

Food and Nutrition

Texture	The way something feels when you touch it, for example how smooth or rough it is.
Appearance	Someone's or something's appearance is the way that they look.
Healthy	Good for you and your health.
Slice	To cut something into thin pieces.
Peel	When you peel fruit or vegetables, you remove their skins.
Chop	Cut something into pieces with strong downward movements.

Textiles

Template	Something that can be drawn around to mark a shape onto a material, so that it can be cut or shaped repeatedly and accurately.
Join	To fix or fasten things together.
Sew	Joining pieces of fabric together by passing thread through them with a needle.
Fabric	A material made from intertwining yarns or threads.
Thread	A long, very thin piece of a material such as cotton, nylon, or silk, used in sewing.
Needle	A small, very thin piece of metal which is used for sewing. It has a sharp point at one end and a hole in the other for a thread to go through.

Design & Technology Ropley Words

Year 2

Mechanisms

Lever	A mechanism consisting of a rigid bar that rotates around a fixed point.
Slider	A mechanism that moves from side to side or up and down and is often used to make moving parts in books.
Pivot	A point around which an object can move or rotate.
Mechanism	A system of parts that work together in a machine.

Structures

Stability	The ability to remain in a fixed position, not likely to fall or move.
Strength	The quality of being strong – not easily broken and supports a lot of weight.
Stiffness	The extent to which something resists changing shape once a force is applied.
Flange	When a folded edge of tabs is used to join pipes to other objects.
Tab	When a folded part of material is used to join pieces of material together.
Slot	When a slot is cut into two materials and then used to join them together in a 3D structure.
Brace	When an extra piece of material is used to join two pieces of material together in an L shape.

Food and Nutrition

Seasonality	Seasonal food is fresh food that is ready to eat during its preferred season.
Grown	If you grow a particular type of plant, you put seeds or young plants in the ground and look after them as they develop.
Reared	When an animal has been bought up from young to an adult in a human controlled environment for a specific purpose.
Caught	Caught food generally refers to the process of catching fish. This means they have been caught in the wild and used for food.
Processed	Processed foods are foods that have been altered from their natural state, either to make it safe to eat or to create a different food product.
Diet	Your diet is the type and range of food that you regularly eat.
Food Groups	Categories into which different foods may be placed according to the type of nourishment they supply, such as carbohydrates or proteins.

Textiles

Template	Something that can be drawn around to mark a shape onto a material, so that it can be cut or shaped repeatedly and accurately.
Seam	One long line of stitches that joins two pieces of fabric together.

Running stitch	A running stitch is a line of stitches that go in and out of the material, with a small gap between each stitch.



Design & Technology Ropley Words

Year 3

Food and Nutrition

Fresh	Fresh food has been picked or produced recently, and has not been preserved.
Nutrients	Nutrients are substances found in food that carry out certain jobs in the body.
Harvested	Harvesting is the process of collecting crops that are ready to eat.
Balanced diet	A diet consisting of the proper quantities and proportions of foods needed to maintain health or growth.

Textiles

Applique	Decorative needlework where small pieces of fabric are sewn or stuck onto a larger piece to form a pattern.
Fastening	A fastening is something such as a clasp or zip that you use to fasten something and keep it shut.
Embroidery	To sew patterns or pictures onto fabric using thread.

Structures

Strengthen	If something strengthens an object or structure, it makes it able to be treated roughly or able to support heavy weights, without being damaged or destroyed.
Robust	Very strong or healthy.
Functionality	How well a product carries out its purpose.



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Year 4

Food and Nutrition

Knead	Kneading means to work the dough with your hands.
Unleavened	Unleavened bread or dough is made without any yeast.
Aesthetics	Aesthetics refers to the way a product looks and feels.

Mechanisms

Linkage	A mechanism that combines the slider and lever mechanisms, such as in a scissor lift. They are made from bars joined with pivots.
Fixed Pivot	Fixed pivots are held tightly in place, meaning that they move at one point only.
Loose Pivot	Loose pivots move more freely, because they are not fixed to a point or held in place.

Structures

Durability	Able to last for a long time without wearing out or breaking.
Reinforce	To strengthen and support an object, usually by adding more material.
Sturdy	Someone or something that is sturdy is strong and unlikely to be easily injured or damaged.

Textiles

Textile	A type of cloth or fabric.
Seam Allowances	The gap between the edge of your fabric and your seam line is called your seam allowance.
Prototype	An early model or sample of a product used to test a concept.

Year 5

Food and Nutrition

Originated	Where or how something began.
Availability	The quality of being available, meaning something can be accessed or obtained.
Nutritional Value	The measure of whether a food or diet has a well-balanced ratio of essential nutrients.
Complement	Something that goes well with a thing or makes a perfect addition to it.
Proving	Allowing dough to rise after it has been shaped but before it is baked.

Structures and Mechanisms

Reinforcing	To strengthen a material that could weaken when a force is applied.
Pivot	A point around which an object can move or rotate.
Lever	A mechanism consisting of a rigid bar that rotates around a fixed point.

Textiles

Stiffening	The action of enabling a material to hold its shape without bending.
Wadding	Wadding is a soft material which is put around things to protect them, for example in packing.
Blanket Stitch	The blanket stitch is a stitch used for reinforcing the edge of thicker materials.

Design & Technology Ropley Words

Year 6

Structures

Sanding	The act or process of smoothing or polishing a surface with sandpaper or sand.
Refinement	Small changes or additions that you make to something in order to improve it.
Stress	The amount of force you put on the structure.
Strain	How much the structure changes when you put stress on it.
Aesthetics	Aesthetics refers to the way a product looks and feels.
Shelter	A shelter is a small building or covered place which is made to protect something from bad weather or danger.

Food and Nutrition

Aroma	A pleasant odour, such as that of spices, herbs, or food.
Seasoning	Something that is added to food to make it taste better. Salt, herbs, and spices are seasonings.
Charred	To cook or burn so that the surface is blackened.