D&T Knowledge Organiser (Y5/6)

How might we live in the future?

Concepts
- Achievements
- Community
- Change
- Sustainability

Values
- Fairness
- Togetherness.

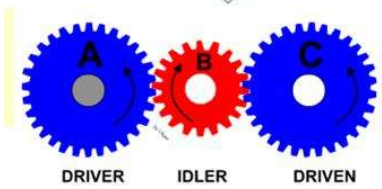
Fairness and togetherness in DT is working together to design and make a project, and fairly and respectfully listening to others' opinions to help improve the design.

A pulley is a wheel with a belt or rope that goes around it. The belt has a groove in it to prevent the belt or rope from slipping off.

Richard Arkwright invented the water frame.



Gears are used to increase or decrease the **speed** or **power** of rotary motion.





Sticky Vocabulary	
Achievements	What has been successfully achieved
Change	The act or result of something becoming different.
Community	A group of people living or working together.
Direction	The path in which something moves.
Driver	The part of a system that provides power
Gears	Gears are wheels with teeth on the outer edge.
Gear train	A group of two or more gears working together
Hydraulic power	Power generated by moving water.
Movement	A change in position over time
Speed	How fast something moves.
Sustainability	Meeting current needs without harming future generations
Water mill	A machine that uses flowing or falling water to turn a wheel.

Geography Knowledge Organiser
Year 5 and 6

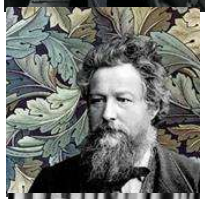
Do we always appreciate what we have got?



Edmund Cartwright invented the first electric powered loom.



Anni Albers designed fabrics influenced by the impressionists.



William Morris was a famous textile designer in Victorian times.



Coco Chanel was a fashion designer who revolutionized women's clothing.



Nick Cave designed sound suits.

Sticky Vocabulary	
Achievements	What has been successfully achieved
Back stitch	A strong hand-sewing stitch made by sewing backwards along a line.
Change	The act of making something different.
Community	A group of people who share common interests or activities.
Cross stitch	A type of decorative embroidery made using small X-shaped stitches.
Fairness	Being equal, sharing items out equally
Loom	A tool or frame used to weave threads together to make fabric
Pin	A small sharp tool used to hold fabric pieces together temporarily
Sew	To join fabrics together using a needle and thread (by hand or machine)
Sustainability	Using resources in a way that protects the environment and future generations.
Togetherness	The feeling of connection and unity between people.
Upcycle	To reuse old or unwanted materials to create something of higher value.
Weave	To make fabric by crossing threads over and under each other.

Concepts

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- Sustainability

Values

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