Hallcroft Infant & Nursery School

Science Lesson Sequence

Summer 2 - Year 2

Making Connections: Plant based materials

What we already know, remember and can do:

- Name objects with the same use that are made from different materials.
- Name materials that are used to make objects with different uses.
- Recognise that stretching, twisting, bending and squashing can cause some solid objects to change shape.
- Name properties that make materials suitable for their use.

Working Scientifically:

- Name objects with the same use that are made from different materials.
- Name materials that are used to make objects with different uses.
- Recognise that stretching, twisting, bending and squashing can cause some solid objects to change shape.
- Name properties that make materials suitable for their use.

	Learning Objective	What children will know and remember (Substantive)	What children will be able to do (Disciplinary)	Revisited Vocabulary	New Vocabulary
1	**Learning Objective** **Knowledge** – To describe how materials can be reused. **Science in action** - To understand how the 3Rs contribute to sustainable products. (reduce, reuse, recycle)	✓ I can identify products that are made from recycled materials. ✓ I can suggest how to reuse materials.	✓ I can sort objects based on their properties.	flexible material plastic property strong waterproof	recycle reduce reuse
2	**Learning Objective** **Knowledge** – To identify human-made and natural materials. **Working scientifically** To group based on characteristics.	✓I can identify human-made and natural materials. ✓I can describe how paper is made.	✓I can sort human-made and natural materials.	fabric human-made natural paper wood	Kevlar invention
3	**Learning Objective** **Knowledge** – To identify suitable materials based on their properties. **Working scientifically** To perform a test and gather data.	✓I can suggest suitable materials for a plant pot.	✓I can make observations about material properties. ✓I can make decisions based on results.	bubble wrap tin foil	eco-friendly result test suitable

4	**Learning Objective** **Knowledge** – To identify a material to help plant growth. **Working scientifically** To use observations to answer a simple question.	✓I can describe the needs of plants.	✓I can test materials based on their properties. ✓I can use observations to help make a choice.	germinate growth result seed soil sunlight test warmth water	
Outcome 5	**Learning Objective** **Knowledge** To choose materials to create a suitable plant pot. **Working scientifically** To identify and classify living things.	✓I can select materials based on test results. ✓I can provide good conditions for plant growth. ✓I can identify living things, dead things and things that were never alive. ✓I can choose dead materials or materials that were never alive to finish a plant pot.	✓I can classify living things	alive dead excretion growth life process movement nutrition reproduction sensitivity	