**Science Knowledge Organiser Year 2 – Materials – Good Choices**

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| **Question for Learning;****Can you describe the object?****Key learning;*** We use the word ‘property’ to describe what a material is like
 | **Grouping & Classifying** |
| **Question for Learning;****What material is it made of?****Key learning;*** Some objects are made of more than one material, for example, a pair of scissors have metal cutting blades and plastic handles.
 | **Grouping & Classifying** |
| **Question for Learning;****Is that a good choice of material?****Key learning;*** Glass is not a good choice of material for a jumper because it is rigid, transparent and breaks easily. Wool is a good material because it is flexible, washable and soft
 |  **Observation over time** |
| **Question for Learning;****Which materials are good for toddlers dungarees?****Key learning;*** Toddlers dungarees need to be hardwearing because they fall over a lot.
 | **comparative fair testing** |
| **Question for Learning;****What fabric will make a bedroom dark?*** A variety of materials are needed to test fairly
* They need to be ordered from the one that lets least light through to the one that lets most light through.
 | **comparative fair testing** |
| **Question for Learning;****What shall we use to make a teabag?*** a good teabag needs to not be waterproof, that it needs to be strong even when wet, that it should be flexible enough and not absorb too much water
 | **Observation over time** |
| **Question for Learning;****Which is the bounciest ball*** For some games the balls need to be able to bounce, for other games the bounce is less important
* rubber balls are made from the same material as elastic
 | **comparative fair testing** |
| **Question for Learning;****What can you invent?*** John Dunlop invented air-filled tyres
 | **Observation over time** |

**Key Words**

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| **various** | of different kinds, as two or more things; differing one from another |
| **absorbent**  | different types of materials which can soak up liquid |
| **waterproof** | Something that keeps water out is waterproof |
| **liquid** | substances that flow, and form a puddle if they are not kept in a container |