#### Easton CE Academy Knowledge Organiser for Year 5 Science: Materials

#### Tier 3 Vocabulary

Strong	Resistant to tearing
Weak	Liable to break or give way under
	pressure
Hard	Resistant to scratching or pressure
Soft	Easy to mould, not firm to the touch
Tough	Resists cracking; opposite to brittle
Brittle	Hard but liable to break easily
Elastic	Returns to original shape when force removed
Plastic	Retains new shape when force re- moved
Stiff	Not easily bent or changed in shape
Flexible	Easily bends
Solution	Mixture of a solid and a liquid
Solute	The stuff that dissolves
Solvent	Liquid (usually) that does the dissolv- ing
Dissolve	When a solid mixes with liquid to make a solution
Soluble	When something can dissolve
Insoluble	When something cannot dissolve
Electrical	Allow electricity to pass through eas-
Conductor	ily
Electrical	Does not allow electricity to pass
Insulator	through easily
Thermal	Material that can transfer (move)
conductor	heat from one object to another
Thermal in-	Material that cannot transfer (move)
sulator	heat from one object to another.

## Working and thinking scientifically

# We are being scientists by:

•

- Comparing the properties of a range of materials
- Identifying some factors that affect dissolving
- Using scientific language and ideas to explain dissolving
- Using results to draw simple conclusions about dissolving
- Reporting on findings from enquires
- Using results to draw simple conclusions and suggest improvements
- Report and present findings from enquires

There are standing groupin

Materials are chosen for us

Thermal and electrical con

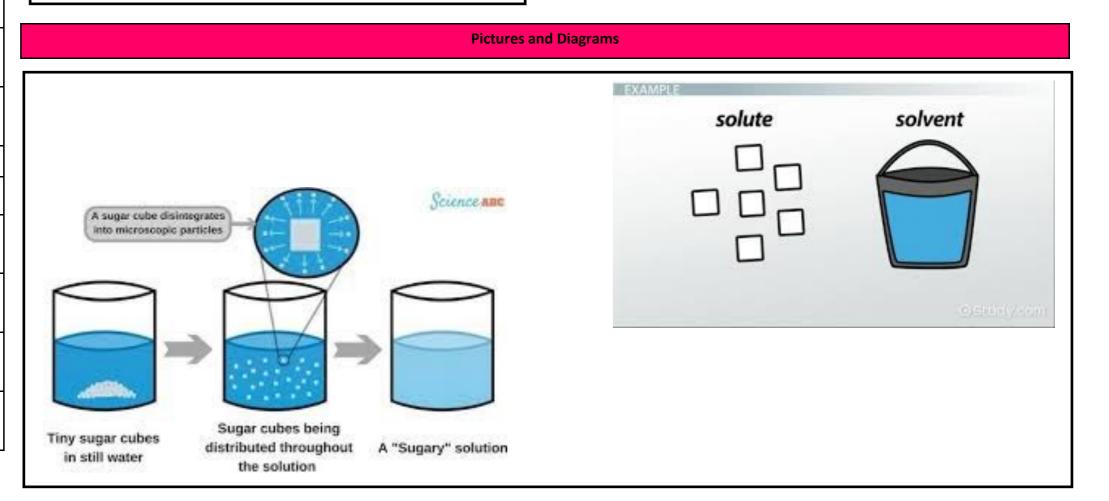
A solution is a mixture of

A solute dissolves in a

Factors that affect dissolving

Some mixtures can be sepa

Some mixtures cannot be



Easton CE Academy



## Key Facts

ngs based on materials	E.g. rigid, wooden etc
ise	based on their proper-
nductors/insulators are	different
	a liquid and a solid
	solvent
ing are	movement, heat, size
parated by processes	Filtering, sieving, evap-
separated if	An irreversible change