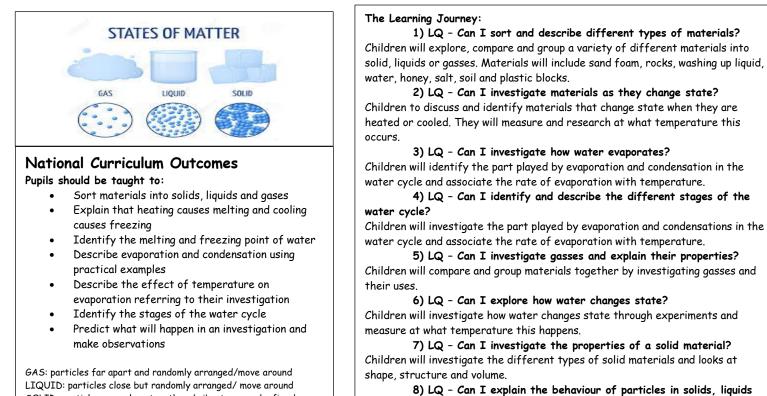
St Mary's C of E Primary School, Writhlington 'Inspiring Learning Together' Scheme of Work + Knowledge Organiser

States of Matter



LIQUID: particles close but randomly arranged/ move around SOLID: particles very close together / vibrate around a fixed position

Wider Curriculum: Class Literacy Topic: The Emperors Egg/DT/Maths

Key Vocabulary:

and gases?

and aases recording their findings.

Children will explore and investigate the behaviour of particles in solids, liquids

Matter - Matter is everything around you. There are only three states of matter.

Solids - A solid has very close together particles, is rigid and has a fixed shape and fixed volume.

Liquids - A liquid has close particles but loosely arranged, is not rigid, has no fixed shape but a fixed volume.

Gases - A gas has particles far apart and randomly arranged and that move around, has not fixed shape and no volume.

Melting - If ice (solid) is heated, it changes to water (liquid). This change is called melting.

Boiling - Water boils at 100 °c

Evaporation - Water (liquid) can change to water vapour (gas). This is called evaporation

Water Vapour - When a liquid water evaporates it changed to water vapour (gas).

Condensation - When water vapour (gas) cools it changes to condensation (liquid).

Water Cycle - The continual cycle of water around the world

Run Off - Water that runs from high places to low places due to gravity