

MATTER UNIT SUGGESTED TIMELINE - GRADE 5

Week #	Core Concepts
1	Review: What science is and science process skills Matter is anything that has mass and takes up space
2	Review: Matter can be observed using our senses (qualitative observations) Matter can be measured using tools (quantitative observations)
3	Review: Matter exists in three common states: solids, liquids and gases Solids have a definite volume and shape as a result of their molecular arrangement (Solids cannot be compressed) Review: Liquids have a definite volume but no specific shape as a result of their molecular arrangement (Liquids cannot be compressed)
4	Review: Gases do not have a fixed volume or shape Gases can be compressed to occupy smaller volume or expand to occupy a larger volume as a result of their molecular arrangement Review: Properties of solids, liquids and gases (compare and contrast) Review: Matter can undergo physical changes (the addition or removal of sufficient heat will cause matter to change phases) Matter is neither created nor destroyed
5	Atomic Theory Elements (Periodic Table) Compounds
6	Review: Matter can undergo both physical and chemical changes Mixtures and solutions as other examples of physical change, where no new substances are created Basic chemistry as example of chemical changes (atoms are rearranged to create new substances but matter was neither created nor destroyed)