

# Grade 4

## Physical Science Common Vocabulary

<u>Word</u>	<u>Definition</u>
Electricity	A form of energy resulting from the existence of charged particles (such as electrons or protons), either statically as an accumulation of charge or dynamically as a current
Energy	The capacity of a physical system to do work
Force	An influence tending to change the motion of a body or produce motion or stress in a stationary body; a push or a pull
Heat	A form of energy associated with the motion of atoms or molecules & capable of being transmitted through solid & fluid media by conduction, through fluid media by convection, & through empty space by radiation
Light	Electromagnetic radiation that can produce a visual sensation
Magnet	An object that sticks to iron
Magnetism	The property displayed by magnets & produced by the motion of electric charges, which results in attraction or repulsion between objects
Mass	A body's relative mass or the quantity of matter contained by it, giving rise to a downward force; the heaviness of a person or thing
Matter	Physical substance or material in general, that which occupies space & possesses mass
Sound	Vibrations transmitted through an elastic solid or a liquid or a gas, capable of being detected by human organs of hearing
Transfer	To convey or cause to pass from one place or thing to another
Work	The transfer of energy from one physical system to another, especially the transfer of energy to a body by the application of a force that moves the body in the direction of the force

# General Science Common Vocabulary

<u>Word</u>	<u>Definition</u>
Conclusion	A judgment or decision reached by reasoning
Data	Factual information (as measurements or statistics) used as a basis for reasoning, discussion, or calculation
Evidence	Information acquired through objective experience
Explanation	A statement based on scientific evidence & logical argument about causes & effects or relationships between variables
Observation	The act of making & recording a measurement
Prediction	A statement about what one thinks will happen in an investigation
Record	To set down for preservation in writing or other permanent form