

## GLOSSARY

### Doktor Kaboom! – It’s Just Rocket Science

#### Terms from Videos and Lesson Plans for this Arts Engagement Experience

<i>Acceleration (a)</i>	Any change in the speed and/or direction of movement of an object as a result of force. It is measured in meters per second per second or, meters per second squared ( $m/s^2$ ).
<i>Chemical Reaction</i>	Occurs when two different elements or compounds come together and at least one of them changes its composition or identity.
<i>Exothermic</i>	Chemical reactions that produce (or give off) heat.
<i>Force (F)</i>	Anything that acts on a body to change its rate of acceleration or alter its momentum. It is measured in Newtons (N).
<i>Gravity</i>	Force that attracts a body toward the center of the earth, or toward any other physical body having mass.
<i>Hypothesis</i>	A guess about what the outcome of an experiment will be.
<i>Inertia</i>	Property in which an object at rest stays at rest, or an object in motion stays in motion, until acted upon by an outside force.
<i>Mass (m)</i>	The amount of matter in an object. It is measured in kilograms (kg).
<i>Momentum</i>	Quantity of motion of a moving body, measured as a product of its mass and velocity.
<i>STEAM</i>	Acronym for Science, Technology, Engineering, Arts, Mathematics.
<i>Speed</i>	The rate of movement of an object over time.
<i>Trajectory</i>	The path described by a projectile flying or an object moving under the action of given forces.
<i>Thrust</i>	The propulsive force of a jet or rocket engine.
<i>Velocity</i>	The speed of something in a given direction.

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