

## 2022 DESN Activities with Description

Below is a table listing the 2022 DESN Kit activities and provides their alignment with K-5 science standards. Though certain grades are noted along with the standard, the activities are suitable for kids of all ages - and their adults too! They are designed to be used during a fun, hands-on science event for the school community, COVID permitting, but can also be used in school day events, classrooms, or even via virtual learning. They are designed to get kids excited about STEM and to enhance rather than to teach science curriculum. Many of them result in items that are created and can be taken home.

Activity	Concept	Grade	Broad Standard		
			Science	NC Standard	Detailed NC Standard
<b>Build a Bubble</b>	Bouyancy	K,2,3	Physical	Matter Properties	Buoyancy/Liquids and Air
<b>Galilean Cannon</b>	Forces&Motion	1,3,4,5	Physical	Forces and Motion	motion of objects/ Law of Conservation of Momentum
<b>Invisible Ink</b>	Chemistry	4,5	Physical	Matter Properties	acid, base, pH Indicator/ Interaction of Matter
<b>Light It Up</b>	Conductivity	K,4	Physical	Matter Properties	Conduct electricity
<b>Magnetic Painting</b>	Magnetism	K,1,4	Physical	Forces&Motion/Matter Properties	Magnets/push and pull/
<b>Paper Flying Machines</b>	Forces-Flight	1,3,4,5	Physical	Forces and Motion	force of air/ lift to overcome gravity and fly
<b>Pinwheel Power</b>	Air	3	Physical	Matter Properties	Wind/ kinetic energy
<b>Stomp Rockets</b>	Forces-Flight	1,3,4,5	Physical	Forces and Motion	force of air/ thrust to overcome gravity and launch
<b>Straw Flute</b>	Sound	2	Physical	Forces and Motion	sound and vibrating
<b>Zip Lines</b>	Construction	4,5	Physical	Forces and Motion	gravity/ potential and kinetic energy for motion of object