

Waukesha 4-H Project Guide

Category: STEM (Science Technology Engineering Math)

4/2021



<p>4-H Project Science</p>	<p>Subprojects under this project</p> <ul style="list-style-type: none"> • Science Discovery
<p>Things you might learn in this project:</p>	<ul style="list-style-type: none"> • Design and conduct your own science experiments. • Explore the states of matter, the forces that act on objects and chemical reactions. • Understand how science relates to our everyday life. • Gain experience in problem solving and decision-making using science process skills.
<p>Learning activities/ workshops/ field trip ideas:</p>	<ul style="list-style-type: none"> • Interview a science teacher • Attend a science fair • Visit a museum of science • Interview someone who works in a hospital lab
<p>Ideas of things you might exhibit in the fair:</p> <p>Self Determined category</p>	<ul style="list-style-type: none"> • Poster or display of a science experiment • Design a poster that explains chemical reactions. • Make a poster explaining the characteristics of the different states of matter. • Create a working display based on a scientific principal. • Make an exhibit that explains friction. • Build a model of your favorite molecule. • Make a poster illustrating the different parts of lab equipment. • Create a piece of art using science. • Design a poster explaining the pH Scale. • Build a model to explain density. • Make an exhibit that shows the solubility of different substances
<p>Waukesha County Project Leaders:</p>	<ul style="list-style-type: none"> • Gayle Nicoll, gaylenicollphd@gmail.com, 412-965-7046
<p>References & Resource links:</p>	<ul style="list-style-type: none"> • https://4-h.org/parents/4-h-stem-challenge • https://www.ndsu.edu/fileadmin/4h/Projects/Science.pdf • https://texas4-h.tamu.edu/projects/science-engineering-technology/ • https://4h.extension.wisc.edu/opportunities/projects/stem/ • https://www.sciencebuddies.org/ •