

# KidsQuest Science Fair Enrichment

**Looking to enrich your science fair?** KidsQuest will bring science activities to your event with an enrichment program that makes learning creative and fun! Our Museum Educators bring all the tools for two activities at your location.

## \$350 for 2 activities\*

For grades K-6. Science fair programs last 1.5 hours.  
Additional half hour of time available for \$100.  
KidsQuest will provide 2 staff members. School must supply 4 tables.

*\*A mileage fee may apply to locations outside a 20 mile radius.*

Call 425.637.8100 or visit [kidsquestmuseum.org](http://kidsquestmuseum.org) to request a date.  
We will contact you to complete your registration. Reservations must be made at least two weeks prior to your event.

**All programs meet state and national education standards.**

**KidsQuest**  
...Children's Museum



## Science Fairs

### NW Animal Wildlife and Microscopes

Have you ever touched a coyote, beaver, skunk, or deer? Learn about local wildlife through this hands-on animal experience. Explore skulls, scat, tracks, and real animal pelts, developing awareness and respect for Northwest wildlife and habitats.

Plants, flowers, and bugs, oh my! We'll use microscopes to get up close and personal with all things small. We'll even bring a handheld scalar microscope to check out tiny things on the big screen.



**Key Science Topics:** Biology | Life Sciences

**Key Processing Skills:** Inquiry | Observation

### Genetics and Sound

Why do you have brown eyes, curly hair, or dimples? Learn about the DNA that makes you you! We'll make genetic jewelry to map out our dominant and recessive traits.

**\*Students take home their own gene necklace!**



Have you ever seen sound? Sound travels in waves which are invisible, but we have some great experiments that make sound you can see! Families will make their own "sound sandwich" instruments that demonstrate how vibrations make fabulous sounds!

**\*Students take home their own musical instrument!**

**Key Science Topics:** Physical Science | Sound Waves | Life Sciences

**Key Processing Skills:** Observation | Cause and Effect

# Science Fairs

## Wind and Motion

Families will design and build wind powered cars! We'll see what forces effect the cars as we hold a friendly competition. See whose car design goes the farthest!



Test your engineering skills as we explore aerodynamics using the KidsQuest wind tubes. Experiment with simple contraptions that fly, spin, or float in midair.

**\*Requires an outlet**

**Key Science Topics:** Engineering | Motion | Force

**Key Processing Skills:** Engineering Skills | Observation | Cause and Effect

## Launching and Engineering

Use your design skills to create paper airplanes, then utilize KidsQuest's one of a kind airplane launcher to test out your design! "Test Pilots" will have the opportunity to change the severity of the incline on the launching mechanism to see how it effects the flight pattern of their airplane!



**\*Requires an outlet. Students take home their airplanes.**

Design your own rockets to be launched using just the force of air. Design, test, and redesign your rocket with KidsQuest educators until you get your rocket to fly higher and further than it did before.

**Key Science Topics:** Engineering | Motion | Force

**Key Processing Skills:** Engineering Skills | Observation | Cause and Effect

## Circuits and Connections

Get ready to light things up as we complete circuits in a whole new way! Explore how circuits make connections using conductors and insulators, then get creative to complete a circuit that lights up using play-dough.

Design a drawing machine that can move on its own by the use of a motor. Turn it off and change the motor to create a whole new masterpiece!

**Key Science Topics:** Electricity | Circuits | Engineering

**Key Processing Skills:** Engineering Skills | Observation | Hypothesizing



## Superstructures and Hydraulics

Come and build with us as we create structures taller than we are! It takes cooperation, teamwork, and some imagination to use angles and shapes to create buildings that are superstructures.

Using the power of hydraulics we will create elevators and scissor lifts to move objects to new heights.



**Key Science Topics:** Engineering | Force | Motion

**Key Processing Skills:** Cause and Effect | Engineering Skills | Inquiry