IT'S SCIENCE FAIR SEASON:
CREATE AN EXCITING PROJECT WITH ESTES® MODEL ROCKETS!

Science is an integral part of the STEM (Science, Technology, Engineering, Math) initiative, and Science Fairs make learning fun — especially if your project involves model rocketry! Here are just a few suggestions for rocket science projects that you can complete with minimal time and effort — and Estes has the model rockets to make your project a winner!

SOME IDEAS FOR MODEL ROCKET SCIENCE PROJECTS:

The effects of acceleration on living organisms, such as insects

Experiments:
- Choose a "payloader" style rocket to carry an insect during launch.
- After launching, compare the behavior of that insect with one of the same species that has not been launched.
- Construct a maze, and document the differences between how the insect navigates the maze before and after being launched in a rocket.

Recommended Estes rockets:

ESTT2454
SkyTrax —
ReadyTo Fly

ESTT1960
Nova Payloader —
Skill Level 1

ESTT1256
Alpha III —
E2X

ESTT1261
Baby Bertha —
Skill Level 1

The comparison of descent rates for different recovery systems or different rockets

Experiments:
- Using a stopwatch, compare the length of time it takes for rockets of varying weights to return to Earth.

(TIP: larger, more visible rockets work best for this experiment)

- Build two rockets of the same type, one with the included Streamer Recovery System, and the second with a Parachute Recovery System (sold separately).

Recommended Estes rockets and accessories:

ESTT2262
6" Parachute

ESTT1292
Wizard —
Skill Level 1

For more information and project ideas, log onto ***esteseducator.com***, click on the "Students Click Here" link and scroll down to "Fun with Model Rocketry". There you'll find "Science Fair Projects" with even more project ideas. Let your local hobby retailer help you enjoy learning more about science with Estes!

ESTT1301
Storm Caster —
Skill Level 1

ESTT1381
Yankee —
Skill Level 1

ESTT2178
Hi Flier —
Skill Level 1

ESTT1948
Big Bertha —
Skill Level 1

The use of aerial photography

Experiments:
- Launch a rocket mounted with an inexpensive miniature camera to get aerial views for two-dimensional mapping.

Recommended Estes rockets:

The relationship of rocket speeds to weight

Experiments:
- With the help of an AltiTrax™, compare the average speeds of 2 rockets of different weights.

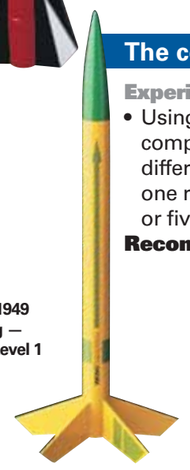
Recommended Estes rockets and accessories:

ESTT2232
AltiTrax

The comparison of fin aerodynamics

Experiments:
- Using an AltiTrak™ and a rocket with multiple sets of fins, compare the rocket's flight from launch to apogee with different numbers of fins installed. For example, build one rocket with three fins and a second rocket with four or five fins.

Recommended Estes rockets and accessories:



ESTT1949
Viking —
Skill Level 1

ESTT2232
AltiTrak