

Next STEPS in Student Research

If your project has living subjects

For example: plants, insects, crustaceans, arthropods – discuss these questions

Where will I get subjects?

How will I keep them alive for at least 4 weeks?

How will I measure the independent variable? NOTE: plants are NOT growing in October.

Vertebrate animals: unless it is an observational study with NO interaction (bats), you must file FORMS and RESEARCH PLAN with GNOSEF by October 8. For example, a study with fish must have a veterinarian sign one of the forms required for pre-approval.

If your project is an engineering design project

For example: Levees, erosion, flood gates, technology – discuss these questions

What are my engineering goals?

What are the constraints of this design?

What materials will I need to locate the construct at least 3 models?

How will I test each model?

If your project involves weather or water

For example: hurricanes, rain, or water quality – discuss these questions

What equipment do I need to measure the independent variable?

How will I ensure that the measurements are precise and accurate?

What online data can I use to compare with my own data?

If your project involves cells or bacteria

For example: cancer cells, or bacteria – Discuss these questions

What forms do I need to fill out for pre-approval from regional science fair by October 8, 2019.

Where will I conduct research? Both of these examples cannot be done at home.

What is the source of living material?

What special training do I need for this work?

How long will it take to grow living samples?