

Middle School Science Summer work:

-----For 7th and 8th graders (returning students)-----

Complete the following in the www.nefrsef.org account (accounts will be verified in the last week of school)

- Must complete the following forms:
 - Checklist for Adult Sponsor (1)
 - Research plan (RP)
 - Student Checklist (1A)

They do not need to be printed and students will be approved for ideas before the summer break.

-----New Students to all grade levels and all 6th graders:-----

1: Student should find 5 testable question for a science fair project they would like to attempt.

A testable question

- 1.Can be answered by an investigation.
- 2.Allows for collection and analysis of quantitative and/or qualitative data.
- 3.Can be tested with age appropriate supplies and equipment.
- 4.Is not answered with “yes” or “no” or by explanations in books.
- 5.Does not ask how to perform a skill.

2: For each question students will need to write a Hypothesis for the question

Tips:

- A hypothesis is a statement, not a question. Your hypothesis is not the scientific question in your project. The hypothesis is an educated, testable prediction about what will happen.
- Make it clear. A good hypothesis is written in clear and simple language. Reading your hypothesis should tell a teacher or judge exactly what you thought was going to happen when you started your project.
- Keep the variables in mind.
- A good rule is a “If and then, cause and effect” statement.

3: For each topic each student should write a short couple of sentences on why they would like to do that experiment.

