

Planning a QRSTF Entry

The Process for developing Experiment or Study projects

<i>DEVELOP A FOCUS</i>	
Background Information	<ul style="list-style-type: none"> ▶ think about something that interests you or puzzles you in your Science/Technology class ▶ research the topic
Question	<ul style="list-style-type: none"> ▶ identify and clarify a single question
(Hypothesis)	<ul style="list-style-type: none"> ▶ If your question allows you to make a prediction, form a hypothesis or tentative explanation to question
<i>DEVELOP A PLAN</i>	
Materials	<ul style="list-style-type: none"> ▶ list a description of the materials used
Method	<ul style="list-style-type: none"> ▶ list the specific steps to be followed ▶ describe the control situation for the experiment, if applicable ▶ outline the types of observations to be collected
<i>CARRY OUT THE PLAN</i>	
Data Chart	<ul style="list-style-type: none"> ▶ record the results accurately and precisely from the inquiry in a proper data chart
Data Graph	<ul style="list-style-type: none"> ▶ graph the results where appropriate, using the proper type of graph
<i>PROCESS INFORMATION</i>	
Conclusion	<ul style="list-style-type: none"> ▶ analyze and assess the results to state a claim ▶ relate the claim to the initial hypothesis in terms of whether it agrees or not ▶ explain the differences between the actual and predicted results
Application	<ul style="list-style-type: none"> ▶ outline possible applications to other situations ▶ outline further investigation(s), if possible ▶ relate findings to real-life situations
<i>COMMUNICATE</i>	
Display	<ul style="list-style-type: none"> ▶ produce a display that will clearly demonstrate your work to the public