

Planning a QRSTF Entry:

The Process for developing Innovation 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 ▶ research the topic ▶ include a description of the features of a previously developed prototype(s)
Problem	<ul style="list-style-type: none"> ▶ describe concisely the problem, product and its purpose or practical value
Performance Criteria	<ul style="list-style-type: none"> ▶ outline what your invention is to be like and how well it is to perform
<i>DEVELOP A PLAN</i>	
Possible Solutions	<ul style="list-style-type: none"> ▶ outline the planning steps to be followed ▶ list a description and a costing of materials ▶ outline a framework to record the results of the tests of the prototype against performance criteria
Preliminary Discussions	<ul style="list-style-type: none"> ▶ draw rough sketches showing different views of a possible end product
Working Drawings	<ul style="list-style-type: none"> ▶ make scale drawings showing all information needed to produce a prototype ▶ specifically describe the construction methods to be used
<i>CARRY OUT THE PLAN</i>	
Prototype	<ul style="list-style-type: none"> ▶ describe the results obtained from the working model
Data Collection & Analysis	<ul style="list-style-type: none"> ▶ summarize the results of the trial tests
<i>PROCESS INFORMATION</i>	
Discussion	<ul style="list-style-type: none"> ▶ summarize the relationships between the performance criteria and the test results ▶ base statement claims on your data ▶ identify modifications needed to improve the performance of the prototype
Application	<ul style="list-style-type: none"> ▶ outline possible applications to other situations ▶ 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