

# Mini Science Fair

## *Directions:*

Using the scientific method, you will research, plan and implement your own scientific investigation.

1. Follow the scientific method to gain new information about a topic of your choice. You should choose something which can be investigated in no longer than five to six days, with resources and technology available to you. Be sure to:
  - Ask questions
  - Formulate a testable hypothesis
  - Select appropriate tools, equipment and technology
  - Make measurements to collect quantitative and qualitative data with accuracy and precision using tools such as standard laboratory glassware, microscopes, various prepared slides, stereoscopes, metric rulers, electronic balances, hand lenses, Celsius thermometers, hot plates, timing devices, cameras, Petri dishes, lab incubators, dissection equipment, meter sticks and/or samples of biological specimens or structures
  - Organize, analyze and compare data collected using tools such as calculators, spreadsheet software, computers, lab notebooks or journals, models and/or diagrams
2. Once you have completed your investigation, develop a presentation of your method and results. You will need to analyze and discuss your research methodology and data in the presentation. Explain how the project could affect science and the future.
3. You will display your presentation and discuss your work.