

The background features a vibrant blue and green color scheme with several large, glossy spheres in various colors (blue, green, purple) and a central white circular element, creating a dynamic, scientific atmosphere.

# Science Fair 2012-2013

**Walnut Grove Elementary**

**Science Fair  
Parent Meeting**

# Tonight's Agenda:

- **Meet Mrs. Poynter and Mrs. Bross**
  - [melissa\\_poynter@gwinnett.k12.ga.us](mailto:melissa_poynter@gwinnett.k12.ga.us)
  - [amy\\_bross@gwinnett.k12.ga.us](mailto:amy_bross@gwinnett.k12.ga.us)
- **Presentation of Science Fair Elements**
- **Walnut Grove Website**
  - Parent Packet**
  - Letter of Intent**
  - Research Proposal**
  - Animal Contract**
  - MyPaymentsPlus for payment of \$5 Entry Fee**
- **Exhibits Needed**



# Scientific Method

- **State the Problem**
- **Gather Information on the Problem**
- **Form a Hypothesis**
- **Experiment**
- **Record and Analyze Data**
- **State a Conclusion**



# Choose a Topic

- **The topic should be a simple question about the world.**
- **Sources for project ideas are teachers, books, classroom ideas, and your own areas of interest.**
- **A Science Fair topic must be something that can be tested.**



# Research Proposal



- **List three areas of science that you like.**
  - **State your problem as a question.**
  - **Find 3-5 sources about your topic.**
- Submit your proposal form by November 2.**

# Keep a Complete Log

- **Accurate and complete notes must be taken.**
- **All observations must be recorded.**
- **The log is a daily record of your project.**
- **Entries should be detailed-the more the better!**



# Know Your Subject

- **Research your topic.**
- **You should include 3-5 sources but not more than one encyclopedia.**
- **Take notes in your logbook.**
- **Your notes are the basis for your research paper.**
- **Make a bibliography (MLA) in the back of your logbook. (Grades 3-5)**



# Develop a Hypothesis

- **Form a Hypothesis.**
- **Make an educated guess about what you think the answer to your question might be.**
- **“If \_\_\_\_\_, then \_\_\_\_\_” statements work very well.**





# Animal Care Contract

- **You have to return an Animal Care Contract if you will be using animal subjects.**
- **The form must be signed before you begin your research.**
- **The form should be returned with your Research Proposal.**



# Plan Your Project

- **Determine the materials and equipment you will need.**
- **Make sure you complete the project by the due date.**  
**The packet includes a suggested timeline.**
- **Plan your experiments in a timely manner.**



# Begin Experimentation

- **Record and analyze your data correctly.**
- **Repeat experiments several times.**
- **Evaluate your work frequently.**
- **Be sure to have an experimental and control group.**
- **Make sure you use appropriate safety precautions (goggles, etc.) during your experiments.**



# Draw Conclusions

- **Your experiment is complete when you reach an answer to your question.**
- **Make sure your conclusion is short and based on the requirements and observations you have made.**



# Write Your Research Paper (3-5)

- **The report is a very important part of your research.**
- **Your report should be organized in a clear, concise manner.**
- **K-2 students do not write a research paper, but they may be interviewed by the judges.**



# Prepare Your Exhibit

- **This is your visual display of the entire project.**
- **The Display Board is included in your \$5 registration fee.**
- **Logbook**
- **Research paper**
- **Display Items if you have any.**
- **County Level-**
  - **No live or artificial plants**
  - **No faces on your display board, can be covered with stickers**
  - **No liquids**
  - **Nothing alive or Nothing that was once alive**
  - **No floor exhibits**



# Exhibit

- **All exhibits will be different.**
- **Make sure all of the required elements are present.**
- **Be creative and take pride in showing off your research.**



# How Can Adults Help?

- **Mentor**: Be a reflective listener and questioner who asks questions to steer the researcher in a useful direction.
- **Coach**: Teach skills and provide encouragement.
- **Gopher**: Assist the researcher in obtaining and securing materials needed for the study being done.





# Important Dates

- **October 15- Parent Meeting**
- **October 22-Letter of Intent Due**
- **November 2- Research Proposal and Registration Fee Due**
- **January 22-Projects Due**
- **January 23-Project Judging**
- **January 24-Science Exploration Night and Award Ceremony**
- **February 22-Gwinnett County Fair for select students**

