



## **Science Fair Workshop Syllabus 2018**

**Instructor:** Claire Coykendall      **Contact information:** 209-754-05322 ext 2230

**Grade level:** 7th - 9th      **Dates:** Wednesdays 11/28 to 2/6

**Place:** Canyon Oak      **Times:** 9:00 to 10:30 (90 minutes)

**Materials:**

Pencil and Paper for note taking

Google Chromebook (check-out at library before class starts or bring your own)

**Goal:**

Through research and hands-on experimentation, students will successfully develop/create a science experiment using the scientific method.

**Objective:**

- To develop/create a science experiment
- To know, articulate and apply the scientific method
- To analyze data and draw conclusions
- To support observations

**Grading/Evaluation:**

**Student will submit project into the Mountain Oaks Science Fair for Judging**

**Weekly Topics:**

- 11/28** Introduction to Scientific Method  
Selecting an Experiment/Entry Form due  
Asking the Big Question
- 12/5** The Educated Guess (Hypothesis)  
Importance of Research  
Gathering Material (Making a List)
- 12/12** Step by Step procedures/Being specific  
Keeping a Notebook  
What's a Control?
- 1/9** Collecting Data  
Making Graphs  
Multiple trials
- 1/16** Research Report/The Abstract  
How do I Record My Data?
- 1/23** Judging Criteria
- 1/30** Progress Report/Am I Ready?
- 2/6** Practice Interview/Project Preview

**Mountain Oaks Science Fair TBA**

