Joaquin Moraga Intermediate School
Annual Science & Engineering Fair

Application Process

Your application to the science fair should follow the steps outlined below. Please follow these directions closely.

Step One: Select a Topic

Think about a question that interests you or a problem that you’d like to solve. Think of a possible answer to that question or problem, and design a way to test whether or not your hypothesis is correct. Your experiment should give you data that can be interpreted and from which conclusions can be drawn. This is the scientific inquiry process.

You may also propose an engineering project, including computer coding, so long as you thoroughly explain the design-related thinking that you used to create your invention.

See this website for helpful ideas & resources for developing your project: www.sciencebuddies.org.

Step Two: Fill Out a Proposal Form

If you plan to enter a project using experimental design, complete the attached “Scientific Inquiry-Based Project Proposal” form. If your proposal is for an engineering project, fill out the “Engineering Design Project Proposal” form instead. Any materials your project will include or require should also be clearly listed on the form. If you are planning to enter an engineering project, please thoroughly describe the thought process behind your design idea.

Step Three: Submit Proposal to JM Main Office

Registration Deadline is Friday, January 30, 2015

Proposal Forms must be received by or ahead of the registration deadline in order to be eligible to enter the JM Science Fair.
Joaquin Moraga Intermediate School Science Fair

Scientific Inquiry-Based Project Proposal

Your NAME
FIRST
LAST
GRADE: _____ TEACHER: _____________
Partner #1
FIRST
LAST
GRADE: _____ TEACHER: _____________
Partner #2
FIRST
LAST
GRADE: _____ TEACHER: _____________

TOPIC: What question do I want to answer?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

HYPOTHESIS: What do I think the answer will be? Explain why. Do research and gather some information. Provide some background information.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

EXPERIMENTS: What experiments will I do to try to answer the question?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

RESOURCES: What resources will I use to make an informed hypothesis? (e.g. library, internet)

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

PARENT SIGNATURE (REQUIRED!)

PARENTS EMAIL

Shaded area for Coordinators' use only:

SCIENCE FAIR COORDINATOR COMMENTS

Team No. __________

Approved
Revise and Resubmit
See attached sheet for additional comments

Contact Coordinator

If you have any questions
Joaquin Moraga Intermediate School Science Fair
Engineering Design Project Proposal

Your NAME ______________________________  GRADE: _____  TEACHER: ____________
Partner #1 ________________________________  GRADE: _____  TEACHER: ____________
Partner #2 ________________________________  GRADE: _____  TEACHER: ____________

USE THE FOLLOWING STEPS TO CARRY OUT YOUR ENGINEERING DESIGN PROJECT:
GOALS, IDEAS, DESIGN, CREATE, TEST, EVALUATE, REDESIGN, & SHARE.

IDENTIFY YOUR DESIGN GOALS: What will you be building / designing, and what should it be able to DO?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

GENERATE SOME IDEAS TO ACCOMPLISH YOUR GOALS: Elaborate your thinking below.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

ATTACH A DRAWING OF YOUR DESIGN IDEA AND A LIST OF MATERIALS THAT YOU WILL NEED TO BUILD IT TO THIS PROPOSAL FORM.

AFTER YOU CREATE YOUR PROTOTYPE DESIGN, HOW WILL YOU TEST IT TO SEE WHETHER IT MET YOUR GOALS? Describe below:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

BE PREPARED TO EVALUATE, EXPLAIN HOW YOU MIGHT REDESIGN TO IMPROVE, AND SHARE YOUR RESULTS ON A TRI-FOLD PRESENTATION BOARD AT THE FAIR.

PARENT SIGNATURE (REQUIRED) __________________________________________

PARENT EMAIL ___________________________________________________________