ISU Demo Road Show & Teacher Workshops

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Idaho Community Foundation
and the ISU College of Arts and Sciences

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Outline

• Program Description
• Workshops
• Demo Shows
• Nuts & Bolts
• Funding
• Sample Demos!
Program Description

Not just an afternoon’s entertainment!

• Subject matter:
  Follow state and National Science Education standards for physical science coverage as closely as possible

- Determines demonstrations
- Provides focus for teacher support
Teacher workshops followed by science demonstration shows for students in assemblies of up to 200 students at K-12 public and private schools
Service area includes Idaho, southwest Montana, western Wyoming, northern Utah, and eastern Oregon.

- Schools visited
- Five or more schools visited
429 teacher workshops, and over 930 Science demonstration shows with a total estimated attendance of over 160,000 have been presented.
Teacher Support

- Meet with school faculty 1 - 2 weeks before presentation for a 1 - 4 hour workshop
  - Discuss & distribute descriptions of demos
  - Determine which demos are appropriate
- Discuss & distribute descriptions of related activities they can use in their class
- Discuss strategies for preparing students for the Science ISAT
• Guide teachers through select activities, demonstrate the assembly of physics toys, or have teachers make them (they get to keep them!)

• Each description referenced to grade level according to state or district guidelines, and to specific chapters in teacher’s science texts

• Distribute lists of “good books” & web sites
Demonstrations

Focus of currently offered presentations:

- Forces and Motion
- States of Matter
- Electricity and Magnetism
- Sound and Waves
Nuts & Bolts

• Dedicated equipment
  ▪ Pre-packed and stored in designated “Action Packers”
Force and Motion Teacher Workshop Stuff
Force and Motion Demo Show Stuff
Paid student assistants

Designated vehicle

My Van
Funding

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