

ISU Demo Road Show & Teacher Workshops

APS April Meeting, Denver Co, May 3, 2009

Supported by the
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

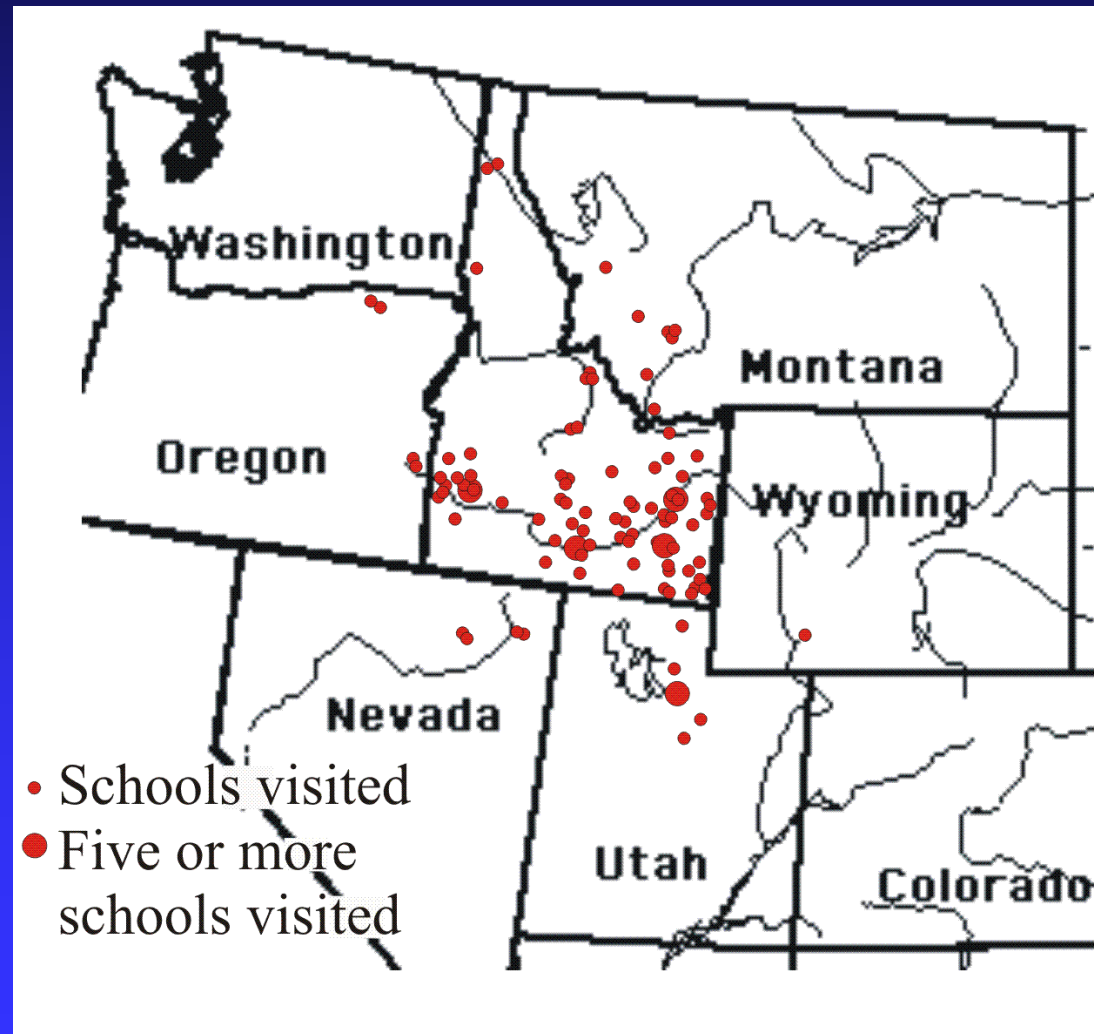


- Determines demonstrations
- Provides focus for teacher support

- 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.



- 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

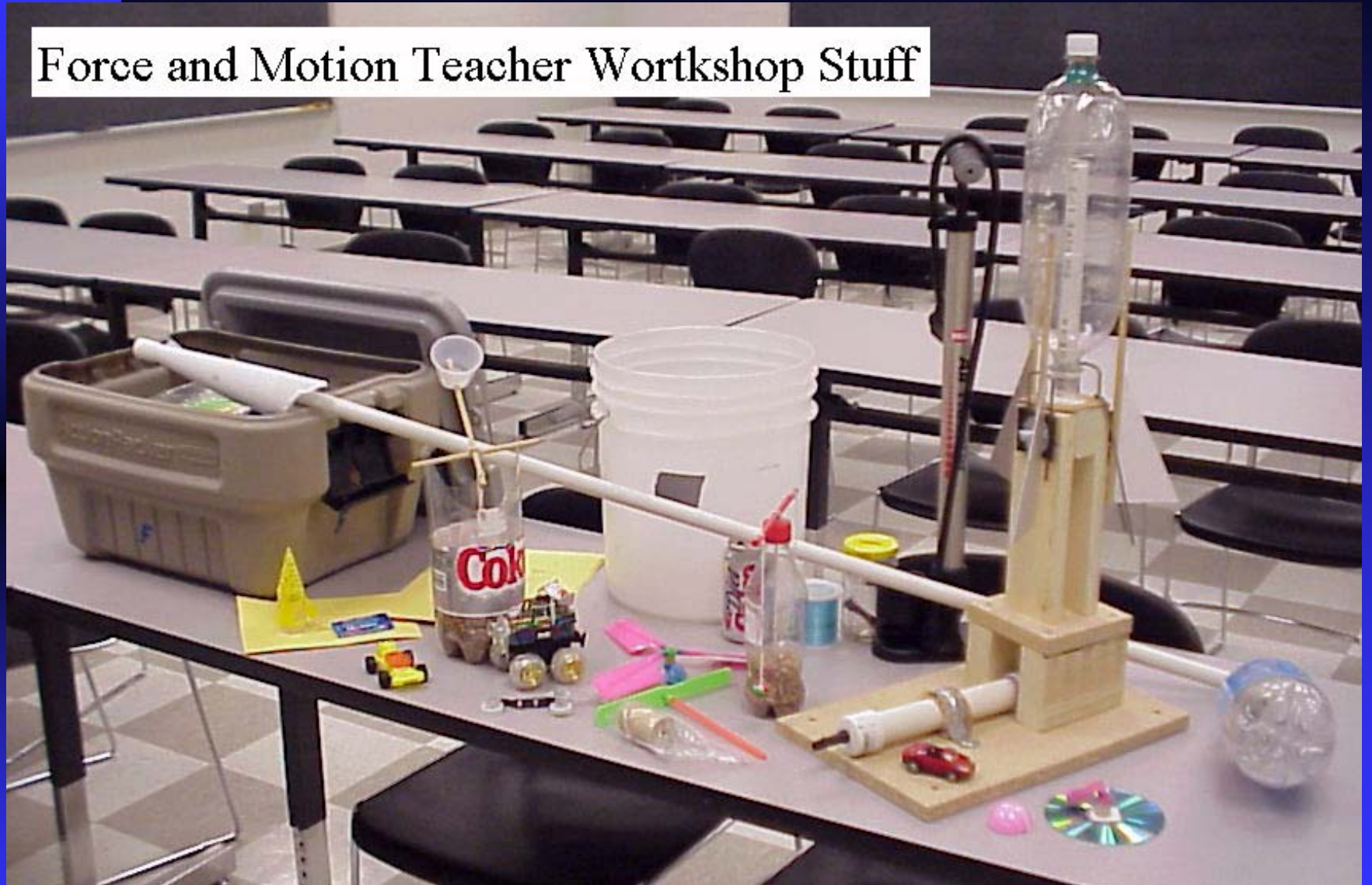


Nuts & Bolts

- 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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