# Weather and Science Day

## *Multiscale Instruction for 13,000+ Students*

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**Guiness Book of World Records**
**World's Largest Physics Lesson**
**(Confirmation expected August 2014)**


## Connecting Science & Weather

**Understanding weather means understanding basic science principles.**

*Each segment of the program illustrated this idea, illustrating principles & making connections with weather phenomena.*

| **10:40: Air is matter.** | | | |
|---|---|---|---|
| ***Question 2:* How much does the air inside a 10 foot weather balloon weigh?** | Dinger holds up "A", "B", "C", "D" cards; we ask folks to vote for different possible answers.<br><br>*Balloon filling continues, 2 per station.* | CSU volunteers help get students into spirit. | **On-screen video:** Rockies player poses question.<br>**Graphics: ?**<br>Short video with question and answer choices shown.<br>**Graphics: question2.mov**<br>***After students vote…*** Short video with correct answer revealed.<br>**Graphics: answer2.mov** |
| ***On the field:* Giant weather balloons, filled with fog.** | Two stages: Pop stationary balloons, in turn.<br>Gently toss balloon up, let it land on pencil. | | **Slow-motion replays, please!** We'll take a while with this, doing 8 balloons in turn. It's a great time to do replays, even as the action continues. |
| ***Weather connections 1:* Microburst** | | | Becky on microphone.<br>**Graphics: Graphics Movie 1** |

## Partnerships

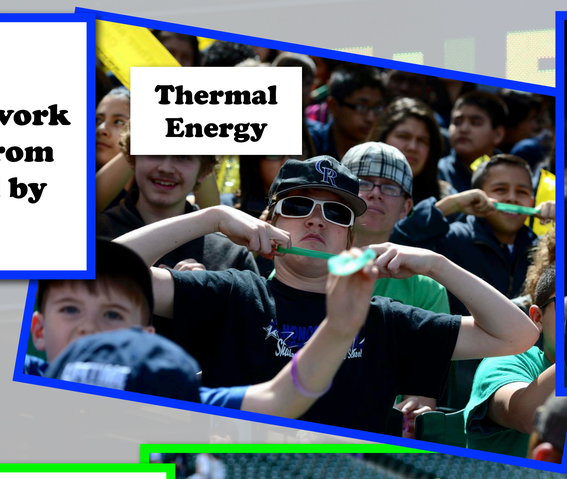
**Colorado State University (CMMAP / LSOP)**
- Programming
- Materials
- Demonstrations
- Student volunteers

**Colorado Rockies**
- Logistics
- Staging
- Record keeping

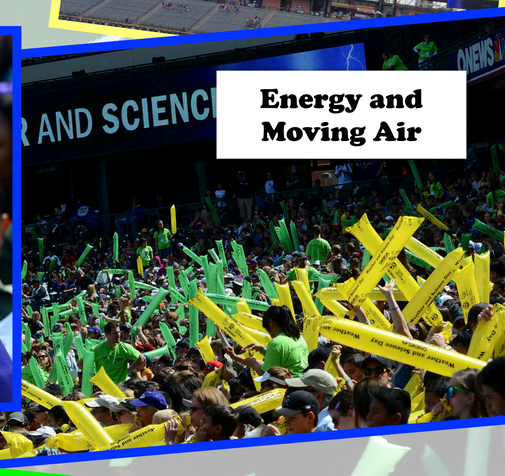
**9News**
- Weather connections
- Meteorologist participation

## Small Scale

**13,000+ attendees work with equipment from their bags, guided by volunteers.**



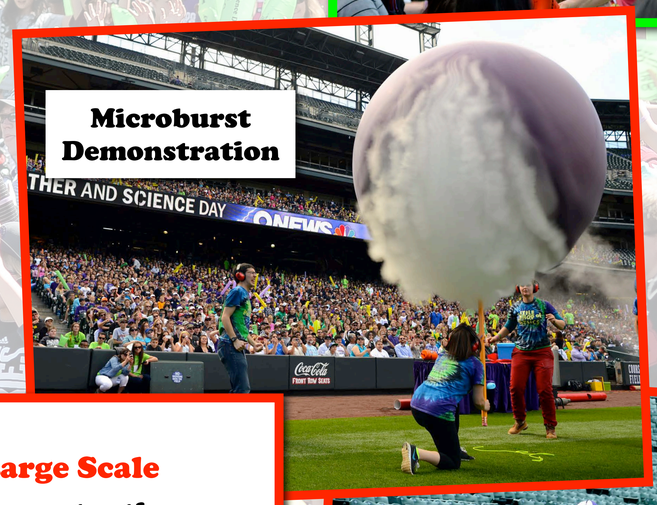





## Intermediate Scale

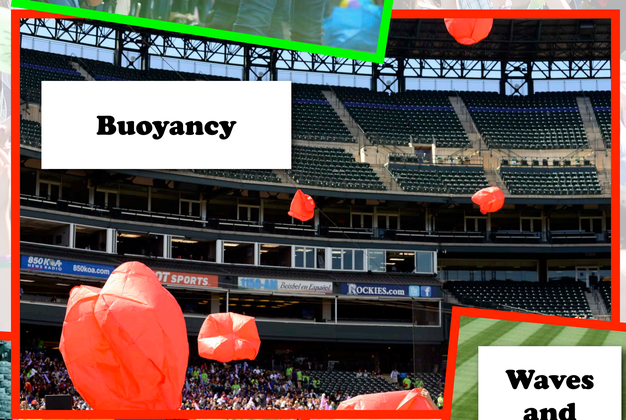
**150+ volunteers do demonstrations in the stands**



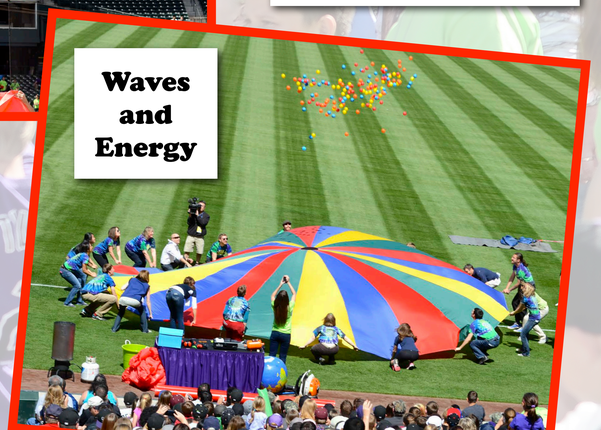




## Large Scale

**Big demonstrations on the field, visible from the stands.**








## What's Next?

**What should we do in 2015?**