

Brightening the Future: Improving SPS Outreach

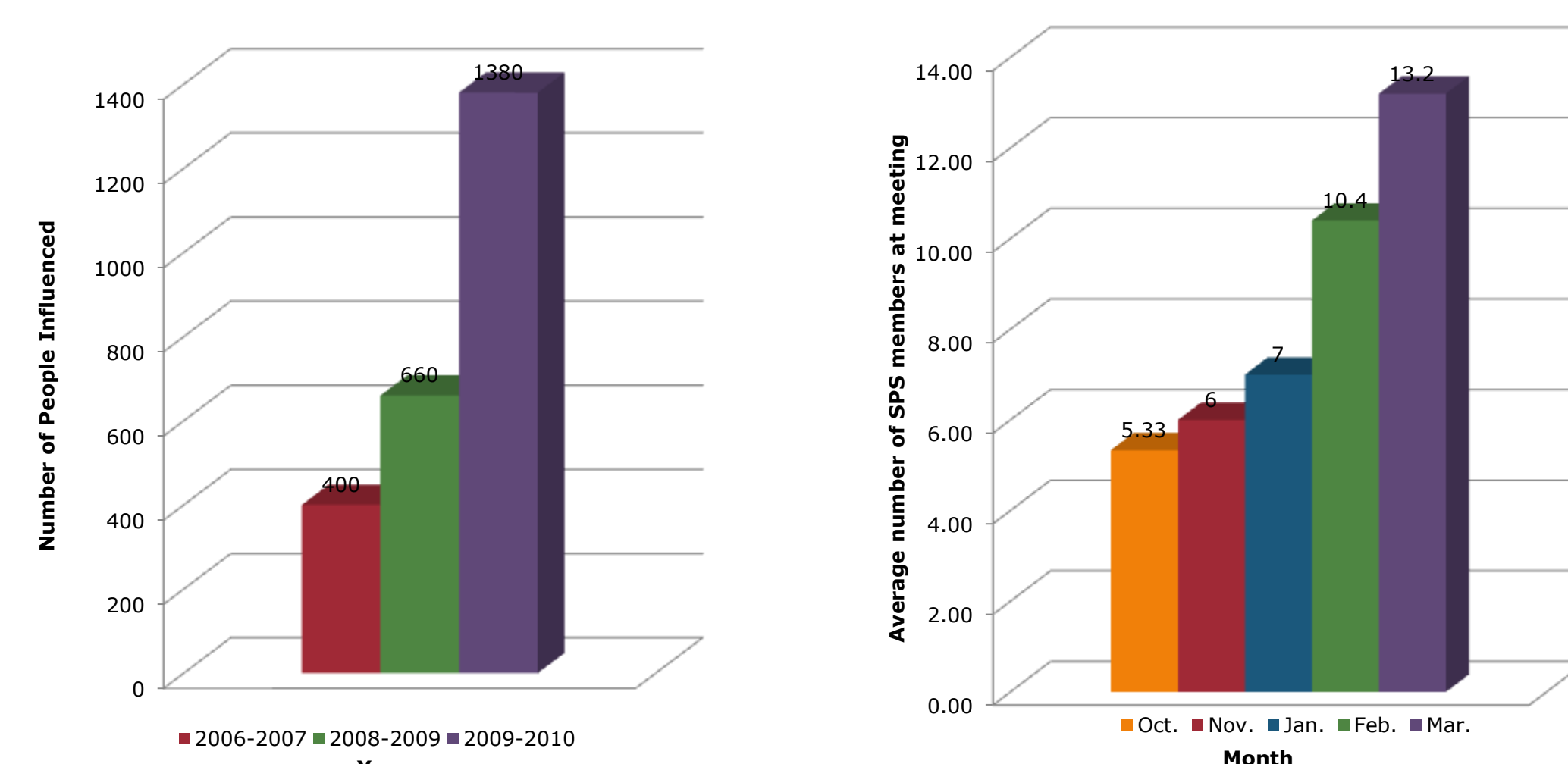
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MISSION STATEMENT

Provide a way for people of *all ages* to experience the intrigue, understand the experience, and enjoy the understanding that science has to offer.

GROWTH GRAPHS



People Influenced in Past Years Active Committee Members

OUR STRATEGY

- Mass email to all of the elementary school teachers in the valley
- Invite non-physics majors to help with outreach



SCIENCE CLUB

We facilitate a weekly science club at Hillcrest Elementary. Teachers selected 35 of the top 3rd-5th graders who have an excitement about science to attend this after-school program. The kids explore science concepts with stimulating discussion and memorable hands-on activities.



“This is *way* better than Scouts!”

GRANTS AWARDED

LASERFEST - \$4600

- Construct 8 laser mazes
- Create an online version of a laser maze
- Buy laser books for local libraries
- Utilize Science Unwrapped program
- Relaunch the Green Beam
- Thank you APS!



MARSH WHITE - \$300

- Build a large Van de Graaff generator
- Organize and facilitating the construction of 4 smaller Van de Graaffs with local high schools
- Develop electricity lesson plans for local teachers
- Assemble light-bulb kits
- Thank you SPS National!



DISTINGUISHING CHARACTERISTICS

- We Are The Creators**
 - Building Van de Graaffs, laser mazes, and light bulbs
 - Developing lesson plans for teachers
- Helping Others Be Creators**
 - Giving high school students hands-on experience
 - Elementary students have the opportunity to be their own “Thomas Edison”
- Using Available Resources**
 - Science Unwrapped
 - Jacob Dansie



“Their proposed education and outreach program is the largest and most comprehensive effort ever mounted by physics students at Utah State University.”
~Jan Sojka, USU Physics Department Head~

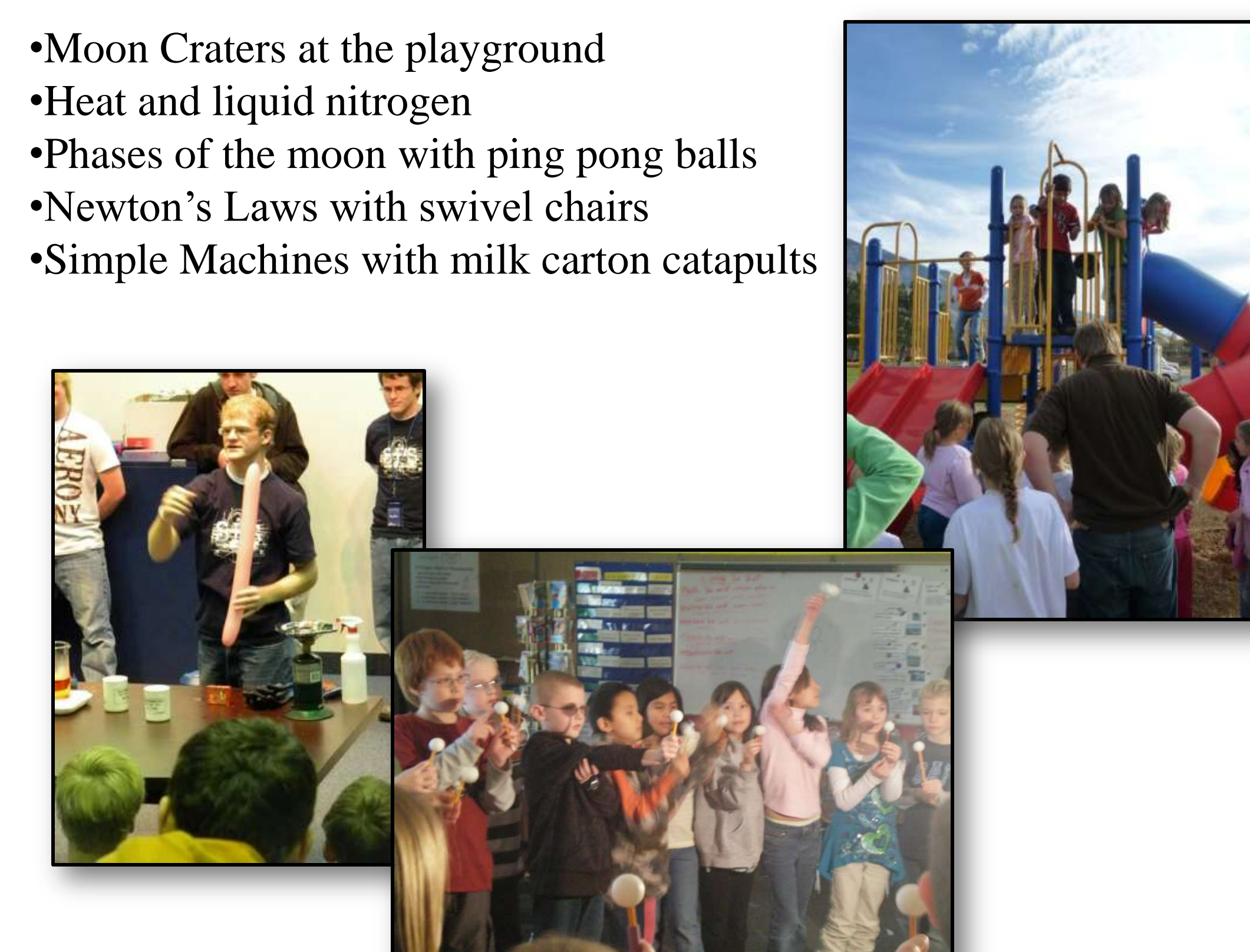
FUTURE

- Fifth-grade field trip
- Compile a booklet containing demo instructions
- Physics Day at Lagoon!



OTHER FAVORITES

- Moon Craters at the playground
- Heat and liquid nitrogen
- Phases of the moon with ping pong balls
- Newton’s Laws with swivel chairs
- Simple Machines with milk carton catapults



“The presentation was awesome!
It got my kids so excited about science!
It was very well planned with a variety of activities.”
~Stacy Blauer, 3rd grade teacher~

FUN

Saturday Parties!

- Tasty Food
- Nerdy Games
- Building Gizmos and Gadgets

