



Moon Area School District

8353 University Boulevard, Moon Township, Pennsylvania 15108
www.moonarea.net

Amanda Hartle, Public Relations Officer
412-264-9440 ext. 1130
ahartle@moonarea.net

For Immediate Release

Elementary Challenge Students Learn Bubble-ology



Moon Area students Hyde fifth-grader Madison McBride, Allard fourth-grader Garret Ley and Hyde fourth-grader Max Eckstrom attempt to create a human-sized bubble cylinder.

Moon Area Elementary Challenge students got hands on with bubbles in the past few weeks utilizing the soapy spheres to learn physics lessons about surface tension, light refraction and reflection and surface area.

In Sharon Gaiten's classroom at Bon Meade Elementary, students performed various experiments using an inflatable pool filled with homemade bubble serum. The experiments included pulling a circular tube from the soap solution around classmates surrounding them in a giant bubble.

Students also learned bubble facts such as:

- Bubble skin is only a few millionths of an inch thick and cannot hold color. A bubble is clear, and only reflects the light around it.
- No matter what shape you make your bubble wand, the bubble will always be a sphere.
- You can stick a wet screwdriver or your hand through the skin of a bubble without it popping!
- Regardless of their relative sizes, bubbles will meet the common wall at an angle of 120 degrees.

- If the surface of a liquid is stretched, as when you blow up a bubble, it becomes larger in area, and more molecules are dragged from within the liquid to become part of this increased area. The “stretchy skin” effect is called surface tension.