

UNLEASHING CREATIVE GENIUS...

The Camp Invention program is coming to your school district this summer!

Dear K through 5th grade educators:

The enclosed flyers have been approved by your district for distribution to your students. Please distribute them promptly so that families may take advantage of the early registration discounts.

The Camp Invention program is a weeklong, nationally-acclaimed summer science and creativity day experience for elementary school children. This is a unique opportunity to help cultivate the ideas critical to science, technology, engineering, and math (STEM) by encouraging exploration and curiosity through exciting, hands-on activities. Helping to instill the understanding that science is everywhere, this inquiry-based approach fosters "whole system" thinkers.

Wow your students with this fun experiment!

CUP CRUSH

Gather two dozen foam cups and a large piece of thick cardboard. Place the foam cups upside-down on the floor so they are nearly touching. Place the cardboard on top of the cups. Very gently, have a child stand on the cardboard (with the cups underneath). **The cups do not crush!** The child's weight is distributed over each of the tops of the foam cups.

Keep removing one cup at a time and retesting the strength of the combined cups. Explain to children that the foam cup's shape enables it to hold a great deal of weight (considering its size), and the combined strength of all cups together is very impressive! Because the foam cup is shaped like a dome, and domes exert equal forces in all directions, the cups do not crush — even under the weight of a child. A dome is strong under compression!



At the Camp Invention program this summer, children will learn how to think like inventors, problem-solve, collaborate, and create — all while having tons of **FUN!**

Feel free to contact the Invent Now Kids home office at 800.968.4332 if you have any questions.

Thank you!

The Invent Now Kids Team