

## 2014-2015 Educational Grant Application

<b>Submission Date</b>	2014-03-26 13:03:02
<b>Name of Grant</b>	Mad Science Makeover
<b>Primary Contact</b>	CJ Boales
<b>Applicant E-mail</b>	cj_boales@allenisd.org
<b>Phone Number</b>	(972) 2360795
<b>Campus</b>	Boyd Elementary School
<b>Curriculum Area</b>	Science
<b>Grade Level(s)</b>	K-6
<b>Students Impacted</b>	760
<b>Approver Name</b>	Kyle Pursifull
<b>Approver E-mail</b>	kyle_pursifull@allenisd.org
<b>Project Purpose</b>	This grant would allow the opportunity to refresh our Science Lab with upgraded equipment and materials that are worn or damaged from general use. In some cases it would also increase the number of tools/materials available to teachers for instruction when multiple classes and grade levels need materials at the same time.
<b>Project Description</b>	All supplies will be stored in the Science Lab and be available to the appropriate grade level teachers through a check out system as needed and dictated through the curriculum documents at each grade level.
<b>Allen ISD Goals/TEKS</b>	K.4A, 1.4A, 2.4A, 3.4A, 4.4A, 5.4A, and 6.4A - Collect, record and compare information using tools. K.6B, 1.6B, 2.6B and 3.6B which all deal with interactions between magnets and various materials. K.7A, 1.7A, 2.7A, 3.7A, and 4.7A which all deal with describing, comparing, and sorting rocks by physical properties.
<b>Measurements</b>	There is a "check-out book" in the library where teachers document the materials they are utilizing in their classrooms. By coordinating this documentation with the on-line lab reservation documentation we can verify use of materials in both places. I also meet with teachers during their lesson planning periods and can remind and encourage the use of materials and monitor availability.
<b>Teaching Methods</b>	This would allow and encourage the use of the materials for hands-on Science activities. In some cases it would allow multiple classes and/or grade levels to do vertically aligned activities utilizing the materials necessary within the same time frame and without waiting which would, in turn, encourage more teachers to participate in more classroom

	hands-on activities.
<b>Timeline for Project</b>	2014/2015 school year
<b>Curriculum/System Support</b>	Our district and state guidelines include a suggested percentage of participation in hands-on activity for each grade level. This is based on research that shows that students develop and retain a deeper understanding of scientific concepts when they participate in hands-on activities. Having materials available in the lab for multiple classes and grade levels to access will encourage more classrooms to participate in these hands-on, inquiry based lessons.
<b>Additional Comments</b>	This request is based on my observation of the use of materials in our lab here. As more teachers become enthusiastic about the inquiry based hands-on curriculum and utilize more of the permanent materials in the lab I am seeing more excitement in the classrooms. My hope is that as we build up the number of materials and they are available in a more timely fashion this enthusiasm and excitement will continue to increase each year.
<b>Instructional Supplies or Resources</b>	<p>Graduated Cylinders: (10) 25 ml and (10) 50 ml  Red Liquid Thermometers (30) 12"  Thermometer Storage Rack (2)  Meter Sticks (12)  MiChron Student Timers (2) sets of 12  Field Orienteering Map Compass (5) \$44.00  40mm Student compass (1) set of 20 \$13.00  Rock and Mineral Storage Boxes (5) \$38.00  Electromagnet Kit (2)  Ring Magnet (2) sets of 12  Block Magnet (2) sets of 12</p>
<b>Supplies Budget</b>	0
<b>Technology</b>	NA
<b>Technology Budget</b>	0
<b>Staff Training / Staff Development</b>	NA
<b>Training Budget</b>	0
<b>Transportation/Field Trip</b>	NA
<b>Transportation Budget</b>	0
<b>Other</b>	NA
<b>Other Budget</b>	0
<b>Total Budget</b>	\$800.00
<b>Additional Funds</b>	NA