BMS STEM

Science Technology Engineering Math

Activities and Projects in STEM

6th Grade	7th Grade	8th Grade
Collision of Objects	Zip Line Challenge	Sports Science
Writing Code	Solar Energy	Game Design
Flight Trajectory	Action Figure Bungee	Mars Rover
Model gliders	Puzzle Cube	Capture Device
Water Rockets	Therapeutic Toy	Truss Me
Fun with Flubber	Wind Turbines	Roller Coaster Mania
Structures	Lego NXT Build	CSI Investigation

STEM is a curriculum based on the idea of educating students in four specific disciplines — science, technology, engineering and mathematics — in an interdisciplinary and applied approach. STEM teaching and learning goes beyond the mere transfer of knowledge. It engages students and equips them with critical thinking, problem solving, creative and collaborative skills, and ultimately establishes connections between the school, work place, community and the global economy. STEM also helps students understand and apply math and science content, the foundations for success in college and careers.

S ~ Stay Positive

T ~ Think Critically

E ~ Embrace the Challenge

M ~ Manage your time appropriately

http://www.sfaz.org/stem-stem/

STEM Test Scores spring of 2016

Demographics

	MAP	MCA
Math	**Selection** ■ 95th Percentile — 52 — 23.4% ■ High (67% - 94%) — 159 — 71.6% ■ Average (34% - 66%) — 9 — 4.1% ■ Low (<= 33%) — 1 — 0.5% □ No Test Score — 1 — 0.5% Total — 222 — 100.0%	**Selection** ■ Exceeds — 139 — 62.6% ■ Meets — 81 — 36.5% ■ Partially Meets — 2 — 0.9% Total — 222 — 100.0%
Reading	**Selection** ■ 95th Percentile — 21 — 9.5% ■ High (67% - 94%) — 150 — 67.6% ■ Average (34% - 66%) — 45 — 20.3% ■ Low (<= 33%) — 6 — 2.7% Total — 222 — 100.0%	**Selection** ■ Exceeds — 89 — 40.1% ■ Meets — 108 — 48.6% ■ Partially Meets — 21 — 9.5% ■ Does Not Meet — 4 — 1.8% Total — 222 — 100.0%

Demographic Breakdown

□ No	161	72.5%
■ Reduced	22	9.9%
■ Free	39	17.6%
Total	222	100.0%