

An All-in-One Curriculum Solution for
MimioSTEM Products



WHY MYSTEMKITS?

A tool is only as good as its uses. We've found schools buy STEM education tools, but without proper curriculum and support they end up being under-utilized. Therefore, MyStemKits has assembled all the resources you need to use your MimioSTEM products successfully and effectively in your classrooms. With over 350 standards-driven lesson plans using 3D printing, robotics, sensors, and virtual simulations to teach STEM in the classroom, we provide everything you need to prepare students for the 21st century.



350+ Lesson Plans and engineering Design Challenges spanning STEM-related topics with a Math and Science focus.



Standards-driven curriculum developed by a leading research university aligned to NGSS, Common Core, and State Standards in every lesson.



Compatible with over 75+ different 3D printers and various sensor brands, use this content with your existing STEM tools. Plus, with our STEAM Design Challenges and Virtual STEM Kits, we have solutions for in-person, blended, and remote learning.



Teachers can browse content by product, subject, and/or grade level, pick the kits or lessons they want to teach, and get started.

MyStemKits' turnkey STEM curriculum includes (where applicable):



Ready-to-Print
3D Models



Teacher
Guides



Student Handouts
and Assessments



Programming &
Design Procedures



Assembly
Guides

Learn More. Contact PowerUpEDU for All STEM Solutions. 888.517.3824, ext. 1 or [Click HERE.](#)

Make STEM Learning Impactful with MyStemKits.com

Select the plan that best fits your needs.

Parameters	Teacher Plan	School Plan
Teacher licenses	1	8
Number of kits	UNLIMITED access	UNLIMITED access
Ready-to-print 3D models	✓	✓
Virtual STEM Kit Simulations	✓	✓
Lesson plans & design challenges	✓	✓
Assembly guides	✓	✓
Teacher guides	✓	✓
Student assessments, activities and handouts	✓	✓
	\$499	\$1999



Sample Lesson: Ball Bearing Catapult Kit

In this interdisciplinary lesson, students will explore data collection using a catapult and perform statistical analysis of the data. Students will create box plots for data analysis that will help to demonstrate the scientific concepts of transfer of energy. Compatible with 3D-printed or virtual catapult!

- ⌚ Estimated instructional time: 2-3 class periods, 45 minutes each
- 📚 Subject: Mathematics, sixth and seventh grade, high school
- ✓ NGSS and Common Core Standards Alignment

INCLUDED:

- 10+ page lesson plan
- Student activities & handouts
- Student assessments
- Teacher guide
- Assembly instructions
- List of standards met

STUDENTS WILL BE ABLE TO:

- determine the mean, median, mode, range, MAD, and IQR for data sets
- create dot plots, box plots, and histograms to show the distribution of the data
- determine if there are any outliers and if it has an effect on the statistical analysis
- choose an appropriate statistic and graphical display based on the situation and distribution of data



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