



ENGINEERING

CRESCENT ELEMENTARY

WHAT WE LEARN

Identify a need or a problem |

Building a model | Testing | Evaluating

Every activity is carefully linked to the overall objective of STEM curriculum. We list outcomes, the specific vocabulary focus and the additional materials needed for each activity.

Checking for student understanding, and achieving active and successful participation by all students using explicit instructions:

I Do | We Do | Y'all Do | You Do

LEARNING WITH LEGOS

Curiosity | Creativity | Persistence

LEGO Education Science and Technology solutions enable young children to behave as young scientists, by providing them with tools and tasks that promote scientific enquiry.

Using our solutions, children are encouraged to pose "What if ...?" questions. They make predictions, test the behavior of their models, and then record and present their findings.

HANDS ON PROJECTS

Understanding the Nature of Science

Tips are provided for testing and making sure each model functions as intended. Providing building instructions and children create models embodying the concepts related to the key learning areas.

ABOUT OUR STEM CLASS

This class opens a new world to our students through STEM (Science, Technology, Engineering and Mathematics). Students develop an understanding of engineering through the use of Legos and other hands on techniques by creating projects in a team and following other lessons that align with the Utah Core STEM Curriculum. This program supports and prepares students for the 21st century college and career readiness by engaging them in the engineering method and facilitating collaborative learning.

We are very excited for our students to have these enriching, learning opportunities and receive this 30 minutes of instruction each week.

Engineering Instructional Technician:
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QUESTIONS

If you have questions about Brain Boosters, please contact Principal Lloyd Camie.Lloyd@canyonsdistrict.org



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Grade	Lesson Plans	Resources	Kits
Kindergarten	Part 1 - Lego Early Simple Machines & Engineering Lesson Plans	Lego Early Simple Machine Kits (Same as 1st) Kindergarten Lesson Plans	 <p>Early Simple Machines Set \$149.95</p>
1st Grade	Part 2 - Lego Early Simple Machines & Engineering Lesson Plans	Lego Early Simple Machine Kits (Same as K) 1st Grade Lesson Plans	
2nd Grade	Part 1 - Lego Simple Machines & Engineering Lesson Plans	Lego Simple Machines Kits (Same as 3rd) Lego Images for Classroom Use 2nd Grade Lesson Plans	 <p>Simple Machines Set \$72.95</p>
3rd Grade	Part 2 - Lego Simple Machines & Engineering Lesson Plans	Lego Simple Machine Kits (Same as 2nd) Lego Images for Classroom Use 3rd Grade Lesson Plans	
4th Grade	Lego Simple & Powered Machines	Lego Simple & Powered Machines Lego Kits and Lego Curriculum	 <p>Simple & Powered Machines Set \$169.95</p>
5th Grade	Lego WeDo 2.0 Robots	12 Lego WeDo 2.0 kits and curriculum 12 Devices (iPads or Chromebooks)	