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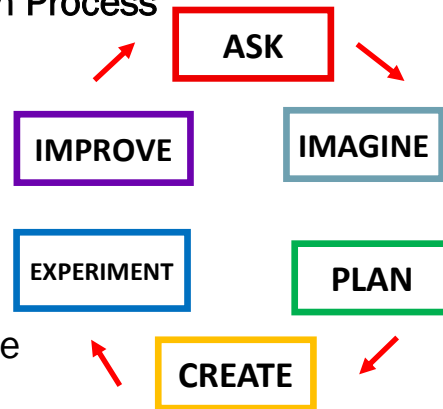
The Engineering Design Process

What is the engineering design process? There are 6 important steps to

remember when you are thinking like

an engineer. **ASK**– What problem are you trying to solve? **IMAGINE**– Can you imagine a solution to the problem? **PLAN**– Design a plan to solve the problem. **CREATE**– Use your plan to create a solution. **EXPERIMENT**– Test out your solution. Does it solve the problem? **IMPROVE**– Did your experiment work the first time? If not, how can you improve it? Watch this short video clip before you start to learn more about the engineering design process.

www.tinyurl.com/haineskits



LEGO Robotics

Scientific Concept: Cause and Effect/ Models

Recommended Ages: 7 to 10

Scientific Practice: Planning and carrying out investigations.

What to know about this kit:

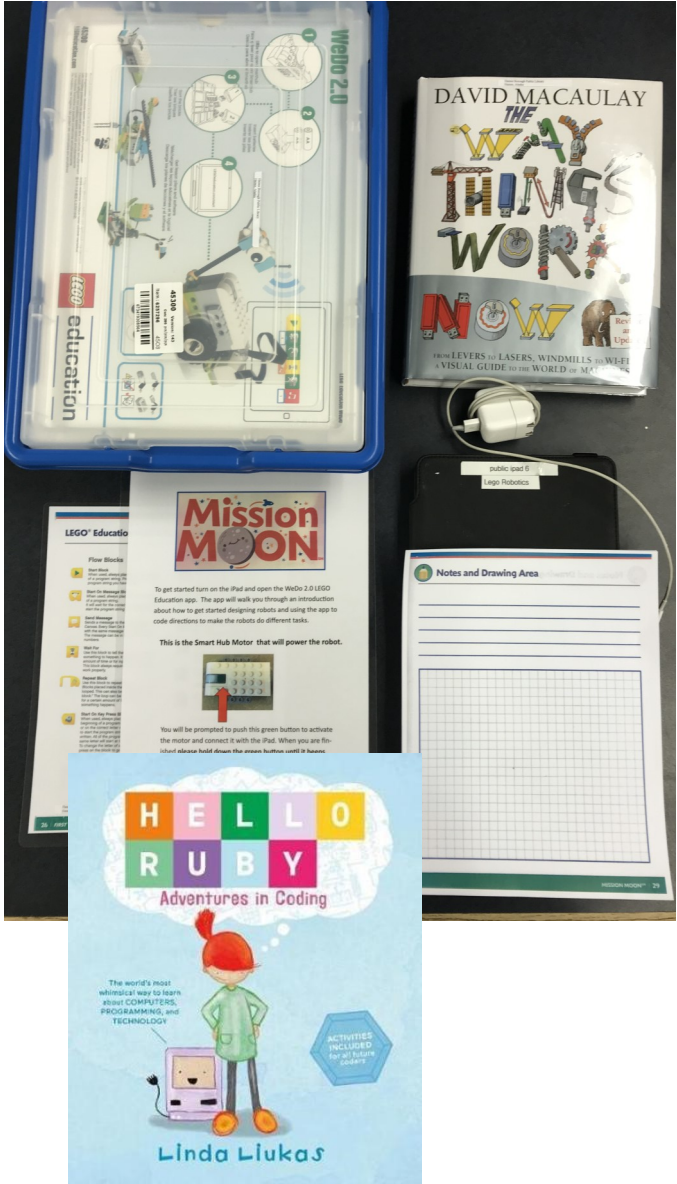
Students can follow the easy online directions to build 8 robots and then use their new skills to design their own.

This robotics kit was created to enhance students' curiosity and develop their science skills. The WeDo 2.0 Curriculum is easy to use and teaches coding basics with intuitive drag and drop tools to bring their creations to life. Students will learn the basics of engineering and be introduced to coding with this kit.



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Kit Contents & Replacement Costs		
Item Type	Description	Cost
Object	LEGO education WeDo 2.0 kit	\$215
Info Sheets	Mission Moon Directions and Coding Sheet	n/a
Notes	4 consumable writing and drawing sheets to sketch out your ideas.	n/a
Book	<i>The Way Things Work Now</i> by David Macaulay	\$25
Book	<i>Hello Ruby: Adventures in Coding</i> by Linda Liukas	\$17
Device	iPad and Charger	\$380
Missing Pieces Replacement Cost		\$5/piece
Total Kit Replacement Cost:		\$652



Please verify all parts are present before returning this kit to the library.