

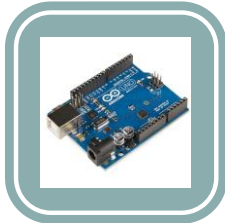
PROJECT LEAD THE WAY
PLTW

DESIGN AND MODELING-MR. MAYBERGER



<input type="checkbox"/>	Parametric Modeling (CAD) Inventor
<input type="checkbox"/>	SAME (Society of Military Engineering) Competition
<input type="checkbox"/>	Demonstrate the ability to produce various annotated working drawings of a 3D
<input type="checkbox"/>	Design Process to problem solve
<input type="checkbox"/>	Making of prototypes

AUTOMATION AND ROBOTICS-MR. MAYBERGER



<input type="checkbox"/>	Hands on learning
<input type="checkbox"/>	Fischertechnik model making
<input type="checkbox"/>	Programmable models
<input type="checkbox"/>	Design, build, wire, and program both open and closed loop systems.
<input type="checkbox"/>	Arduinos

SCIENCE OF TECHNOLOGY/VEX ROBOTICS-MR. JELKEN



<input type="checkbox"/>	Learn about different energy sources
<input type="checkbox"/>	Learn and use the design process
<input type="checkbox"/>	Build a Rube Goldberg using the 6 simple machines
<input type="checkbox"/>	Build a dragster and maglev vehicle
<input type="checkbox"/>	Learn how aerospace vehicles fly
<input type="checkbox"/>	

MEDICAL DETECTIVES-MR. HUBER



<input type="checkbox"/>	Focuses on solving problems/crimes dealing with the human body
<input type="checkbox"/>	Dissect a sheep brain
<input type="checkbox"/>	Look at DNA, body senses, fingerprints, and solve crimes based on time of death
<input type="checkbox"/>	Field trips to the Douglas County CSI department
<input type="checkbox"/>	Awarded a grant to buy software to use 3D technology to solve crimes including bullet trajectory and blood splattering

GREEN ARCHITECTURE-MR. MAYBERGER



<input type="checkbox"/>	Mastercraft Building
<input type="checkbox"/>	Model Making
<input type="checkbox"/>	Floor Planning
<input type="checkbox"/>	Lighting Field Trip to the Peter Kiewit Institute
<input type="checkbox"/>	Use Autodesk Revit Architecture to create an architectural drawing.