

George Jr. High
Promise Standards
Automation & Robotics 8th

- Students will learn CAD modeling software to make solid models of their ideas that were communicated in sketches.
 - Example: [Tinkercad Tutorial Completion Sheet](#)
- Students will be able to understand and calculate gear ratios and what gear ratios are effective to accomplish a task.
 - Example: [Observing Mechanisms CQ](#)
 - Example: [Gear Ratio](#)
- Students will ID mechanisms, ID ways they transfer energy and do work and build them.
 - Example: [Crank & Slider](#)
- Students will be able to use the correct mechanisms to accomplish and task and program the automation and robotics to do it correctly.
 - Example: [Final Assembly Line](#)