



Engineering a Hydraulic Arm – Principles of Manufacturing.

Students will be creating a hydraulic arm that will be able to grip and move objects through the use of fluid power. Students will be learning about motion, forces, and stability. They will integrate knowledge that is a part of the Physical World Concepts state standards. Students will not only construct and use hydraulic arms, they will present arguments to support the claim that when the energy of a moving object changes, energy is transferred to or from the object. Students will also learn about Pneumatic systems in comparison to hydraulic systems.

