



IGGY PECK, ARCHITECT VIDEO DISCUSSION

Building Bridges with the Society of Women Engineers

1. If you had to build a penny-holding paper bridge, what materials would you use to reinforce it? Why? Draw a picture of your bridge on the back of this sheet.
2. The Society of Women Engineers aims to inspire engineers of all genders and ambitions to create and engineer. If you got to build and engineer a building or piece of architecture what would it be? Why?
3. Engineers get to build and design products as well. If you got to create an item to sell, what would it be? Why?
4. Understanding physics is very important for engineering. What other fields do you think are important for understanding how to build and create architecture? Why?

The Joys of Mechanical Engineering

1. There are lots of different kinds of engineers. Industrial engineers work with blue prints in order to create parts for different machines. Civil engineers work on creating products and building roads. Electrical engineers work with electrical products and wiring. If you could be any kind of engineer, what kind of engineer would you be? Why?
2. Industrial engineers focus heavily on the pieces of a machine, not the machine itself. Think of a machine that you are familiar with, whether it be a toaster, a TV, or a car! What do you believe is the most important part of the machine you picked? Why?
3. Math and physics are very important to understanding industrial engineering what do you believe are some other important subjects that a student must understand in order to be an industrial engineer?

STEM Read and SmartSpace@NIU are part of Northern Illinois University's STEAM Works Initiative.

