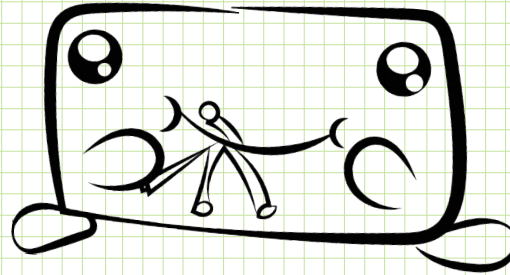
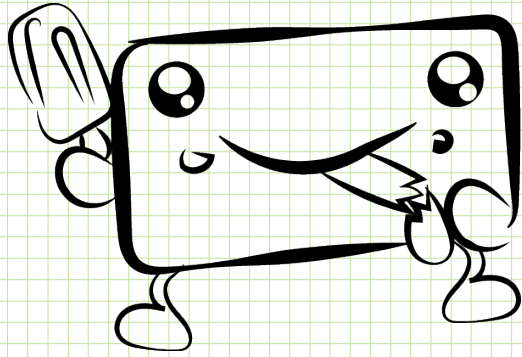


# Help Blocky Bend Stuff

How much effort will it take to bend metal and break wood?




Explore and Discover  
**Engineering**



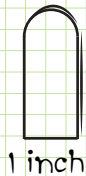
**STEMTaught**

Name:

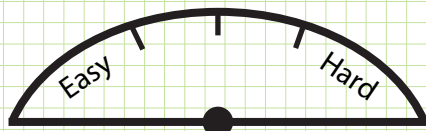
Draw yourself experimenting with Blocky

 Draw an arrow on the force meter to show how easy or hard it was to break the wood and bend the metal.

Short Stick Force Meter



1 inch

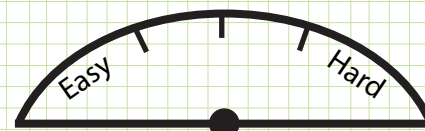


**Short Stick**

Long stick Force Meter

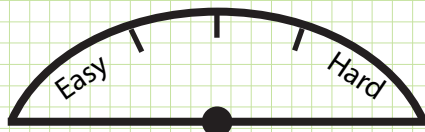


3 inches



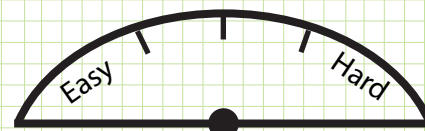
**Long Stick**

Short Wire Force Meter

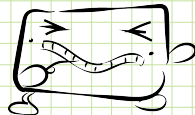
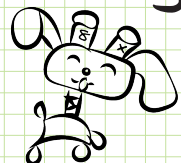


**Short Metal**

Long Wire Force Meter



**Long Metal**



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## Thinking and Discussion:

Scientists measure and observe forces and materials to design and predict how things break. This is very important to understand when designing buildings or airplanes. Are you strong enough to bend metal? What would make bending the metal even easier?