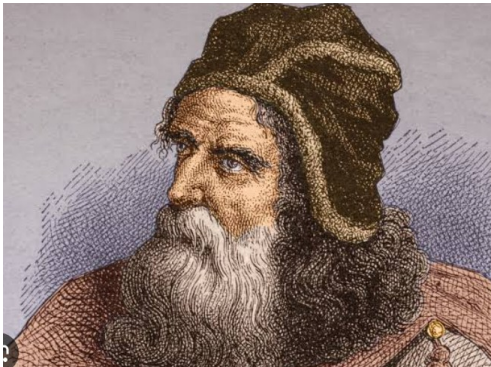


Design Technology: Musical Instrument

Sliders are a mechanism to create movement



(287 - 212 B.C.) **Archimedes** was a Greek philosopher, mathematician and inventor, who wrote about geometry and mechanics. He was born in Syracuse, Sicily, and educated in Alexandria, Egypt. Archimedes defined the principle of the lever and invented the compound pulley.

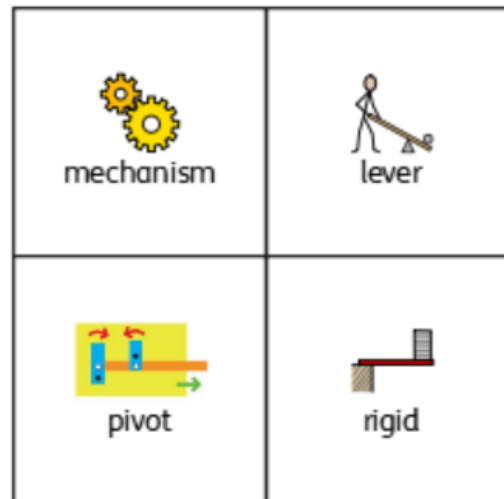
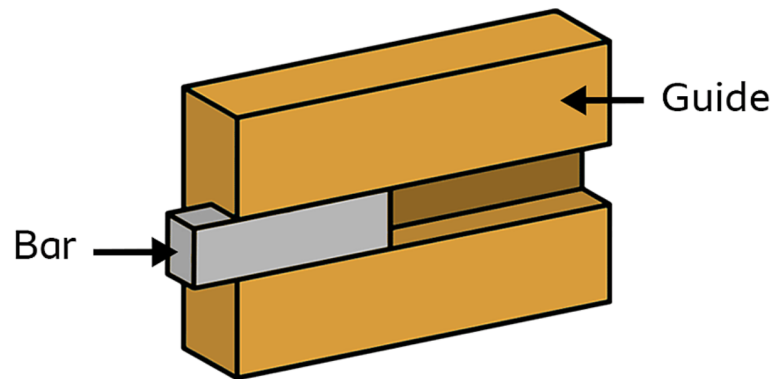
Architect of Skytree tower in Japan - **Nikken Sekkei**

How do slider mechanisms work?

A slider mechanism is made up of a strong bar or rod supported by a guide.

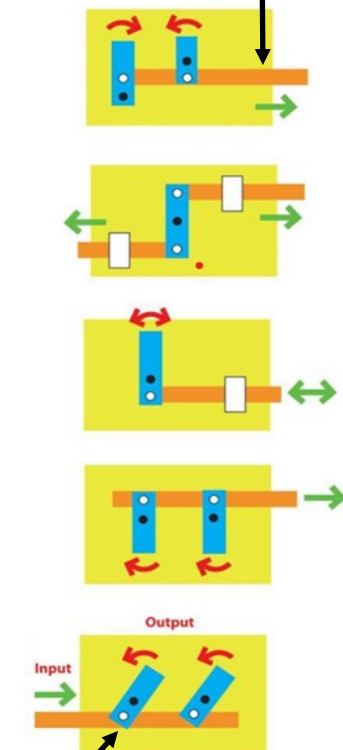
The guide allows motion (movement) along a straight line.

A guide might be a rail, a slot, a bracket or a groove.



Lever—A rigid bar that moves around a pivot

● Fixed pivot
○ Loose pivot



Pivot A fixed part that holds a lever in place as it turns.

