



Automata/ons

By Aya Gabitkyzy



1

Definition and
history



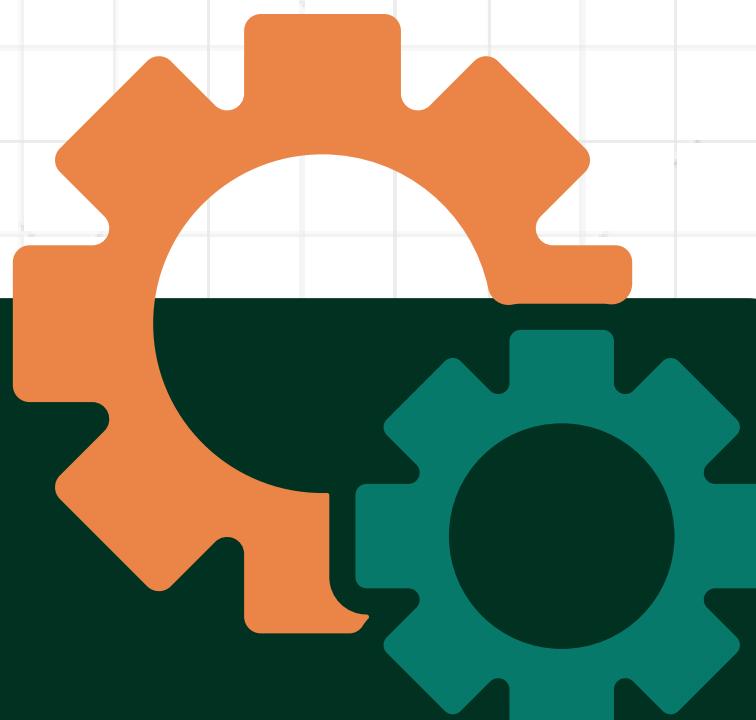
2

Key Mechanisms

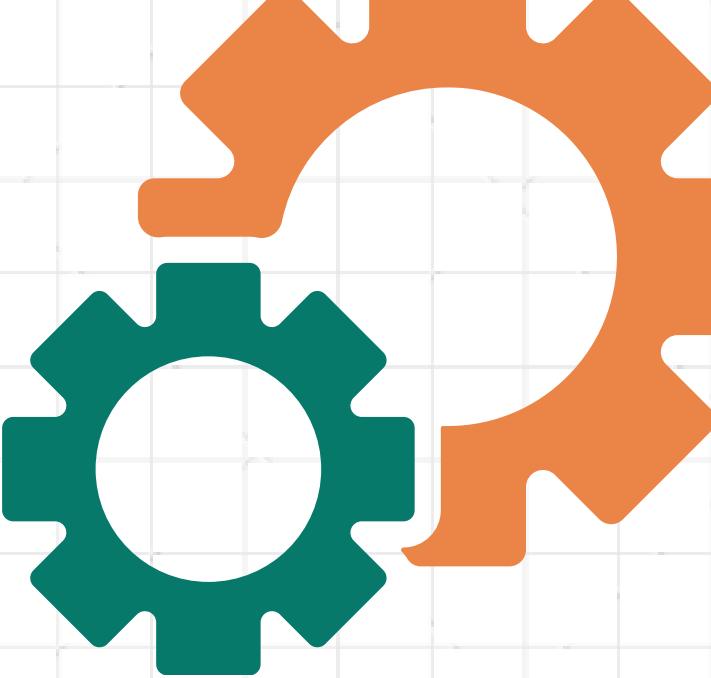


3

Project Examples



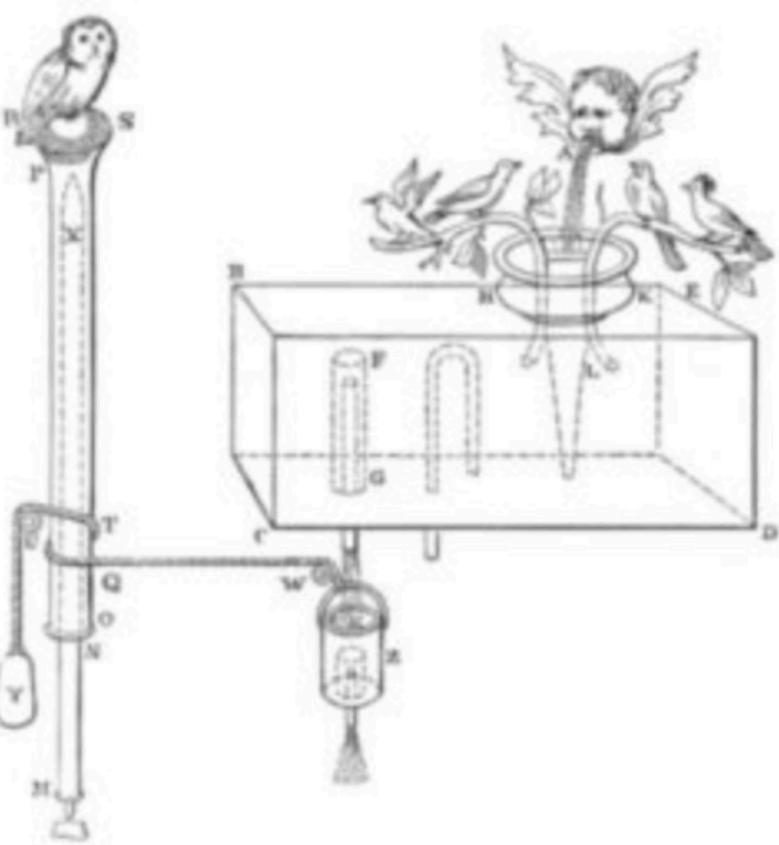
Automaton



a machine or control mechanism designed to follow
automatically, a predetermined sequence of operations
or respond to encoded instructions

Automata in the history

Greek
Mythology



Hero's wash basin automata

Middle
Ages

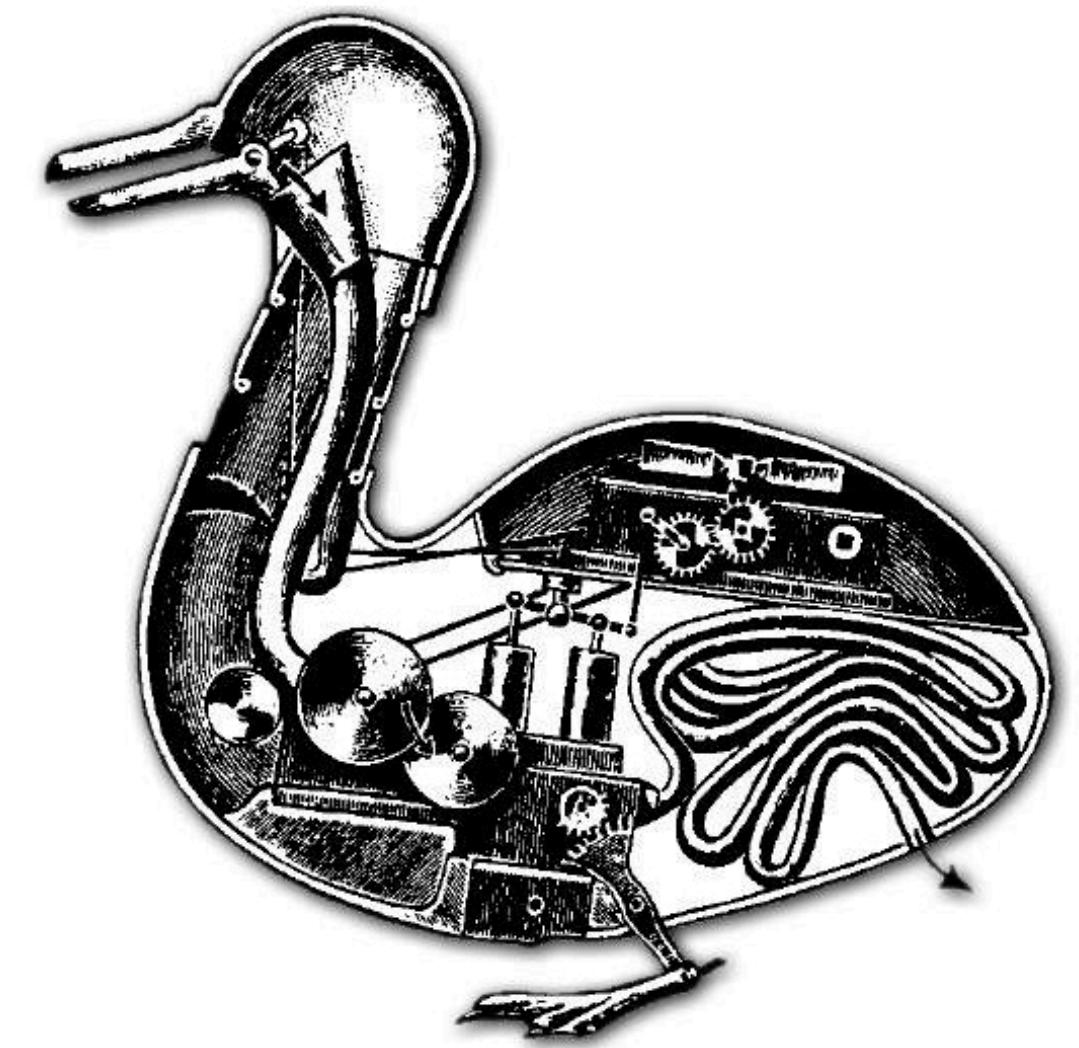


Automata in the history

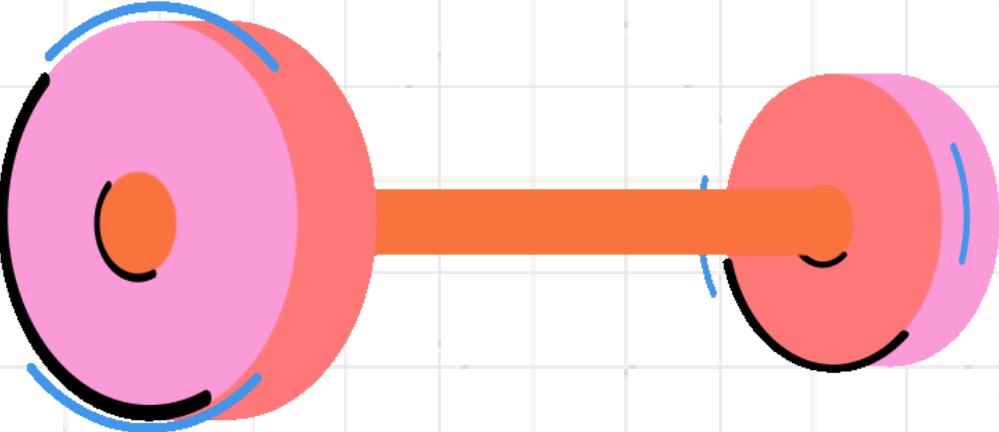
Renaissance



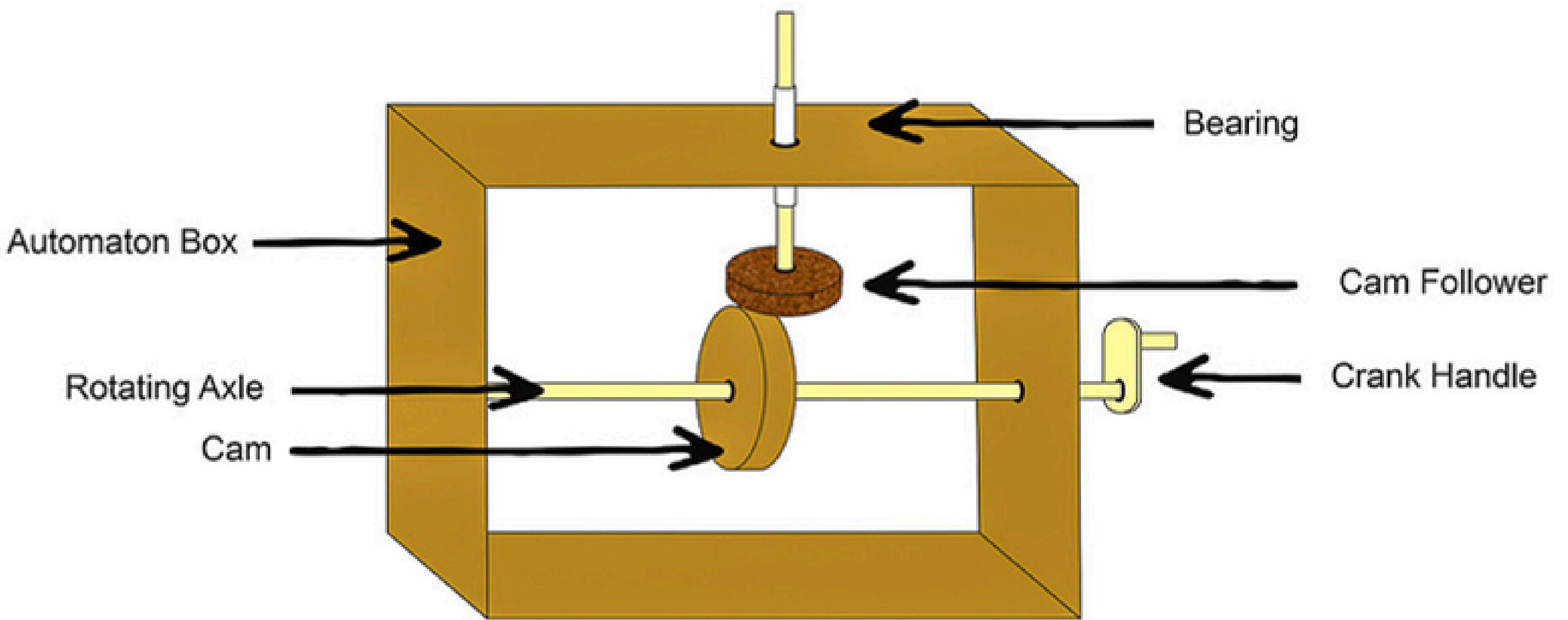
17-18th
century



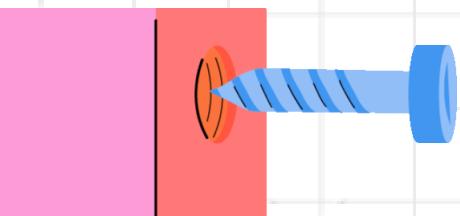
How do Automatas work?

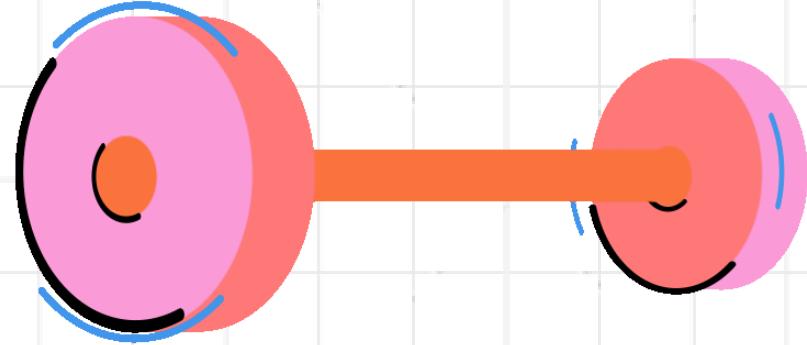


THE PARTS OF AN AUTOMATON



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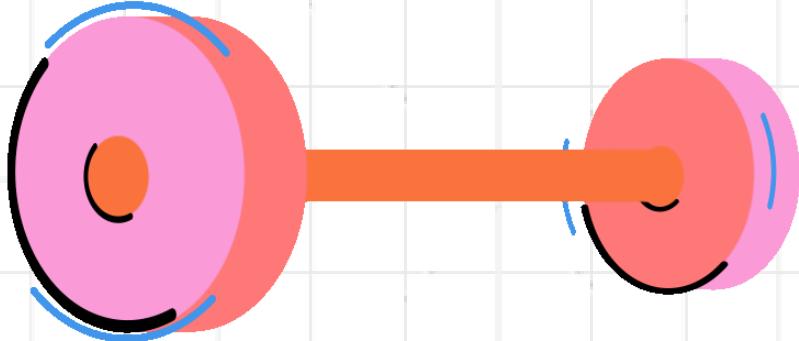


Cam Motions

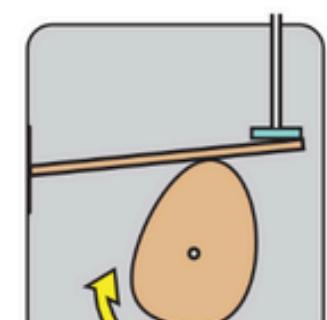
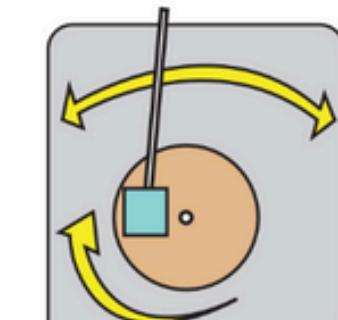
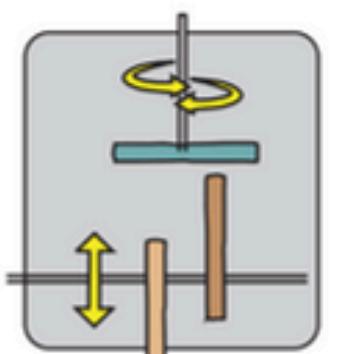
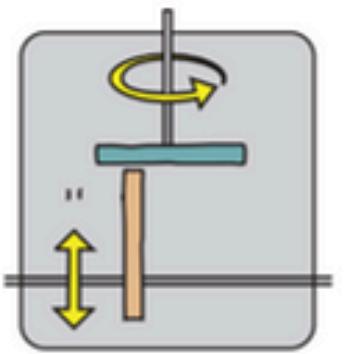
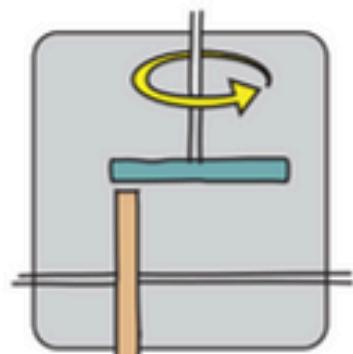
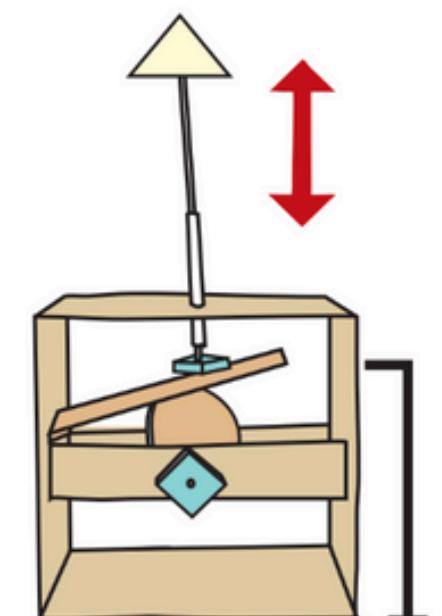
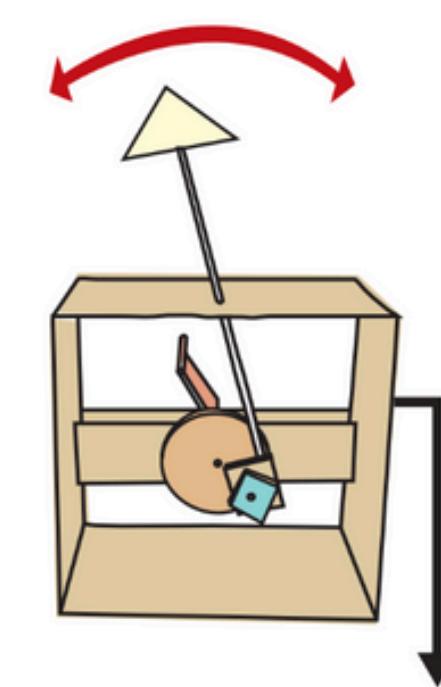
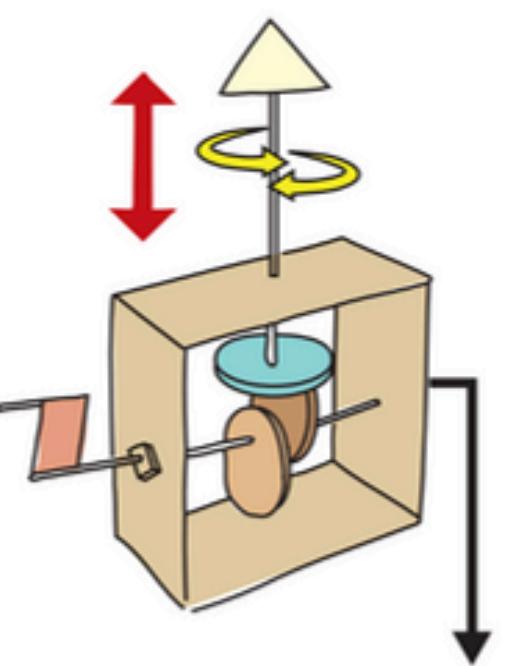
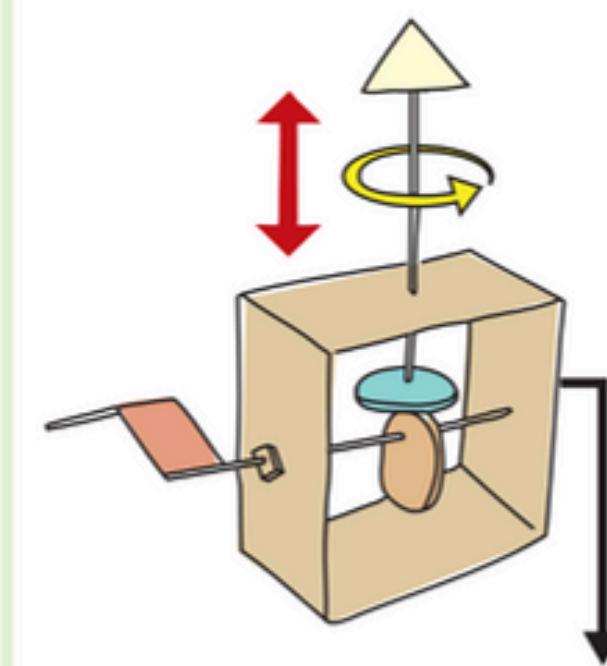
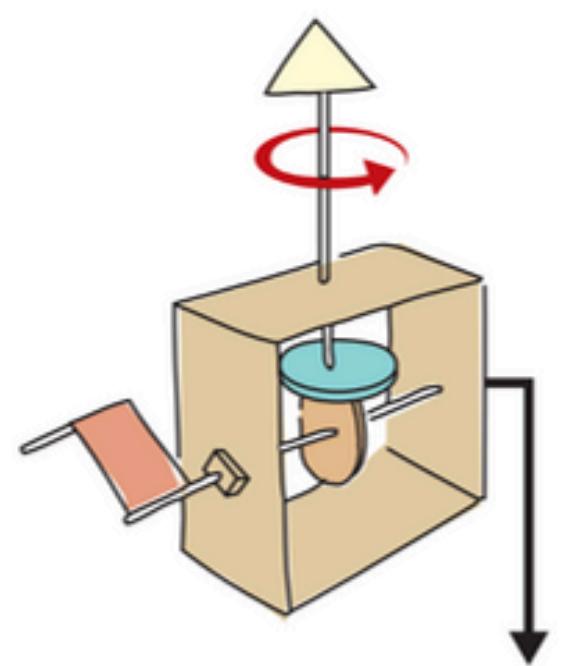
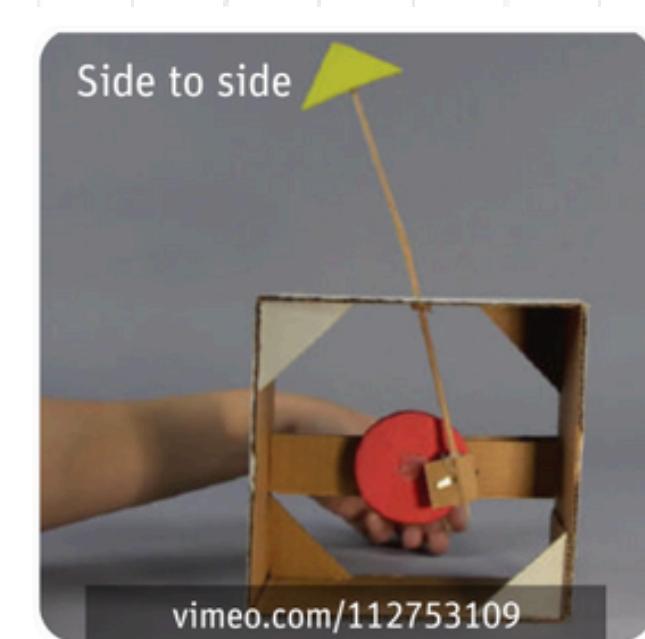
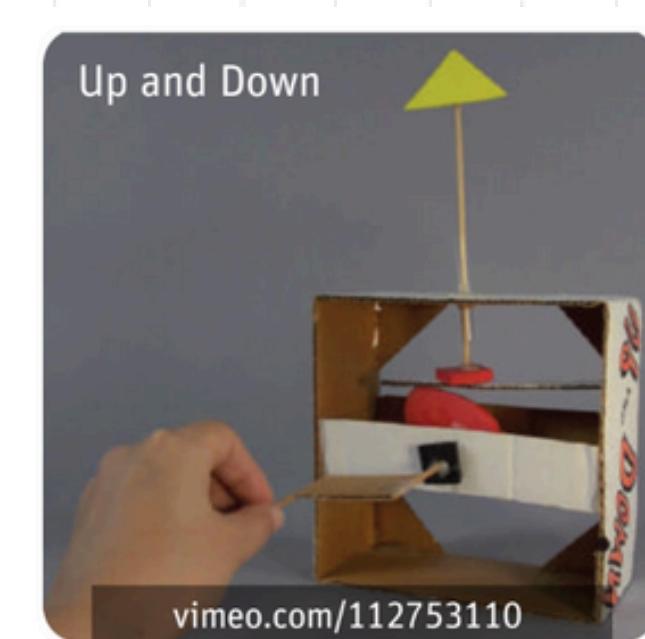
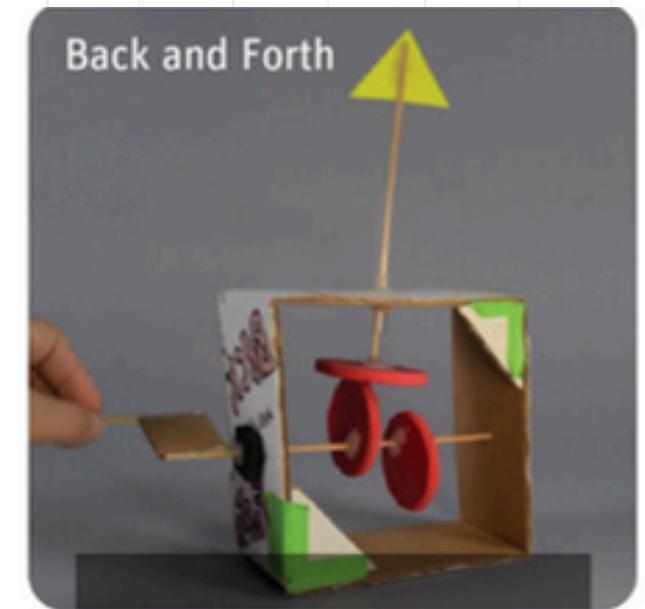
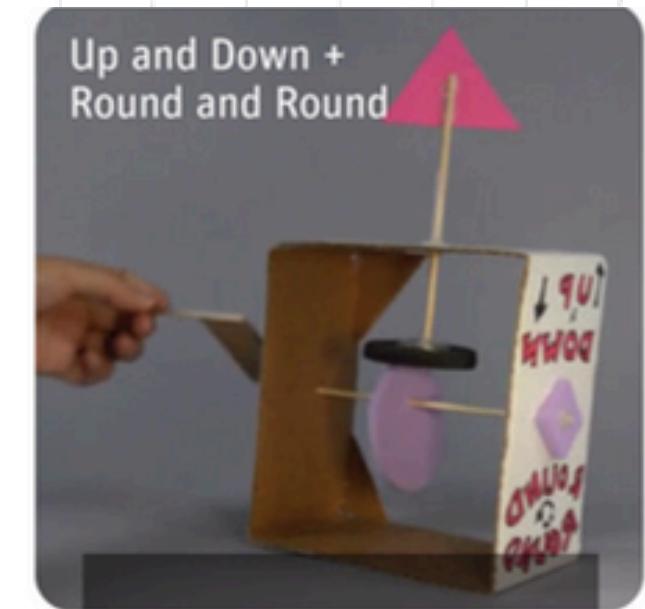
Automata: Storytelling Devices: Device 1: Cam and Cam...

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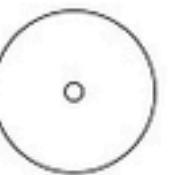
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Cam Motions

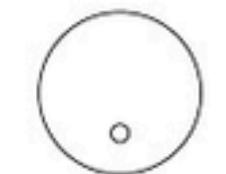
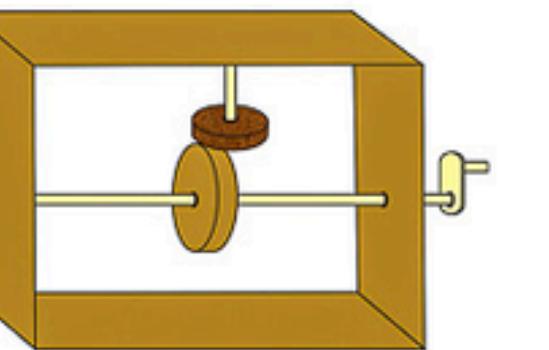


CAM SHAPES



A Circular Cam produces a smooth round & round motion.

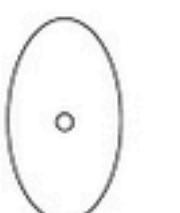
CAM POSITIONS



An Eccentric or Offset Cam causes the follower to move back & forth and up and down.

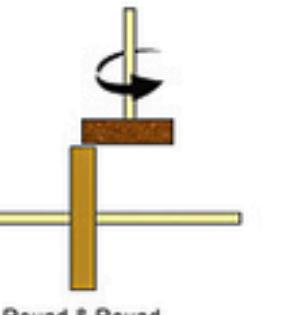


A Snail Cam causes the follower to rise and drop suddenly. It can only turn in one direction otherwise the mechanism will jam.

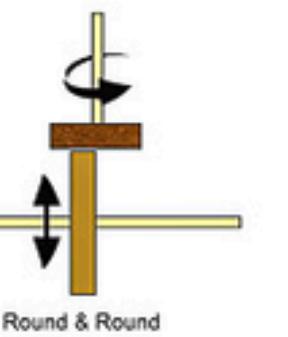


An Oval Cam causes the follower to rise up and down, similar to the Eccentric Cam

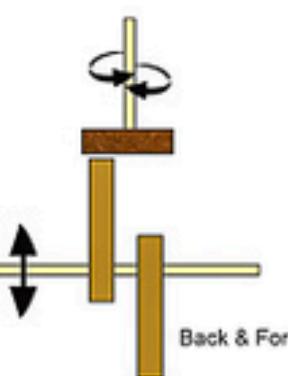
CAM MOTIONS



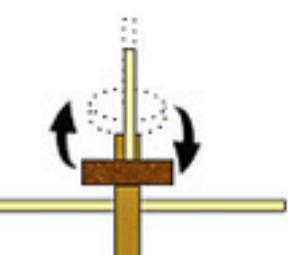
Round & Round



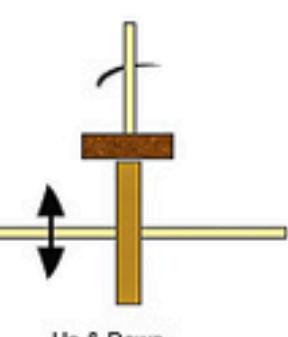
Round & Round



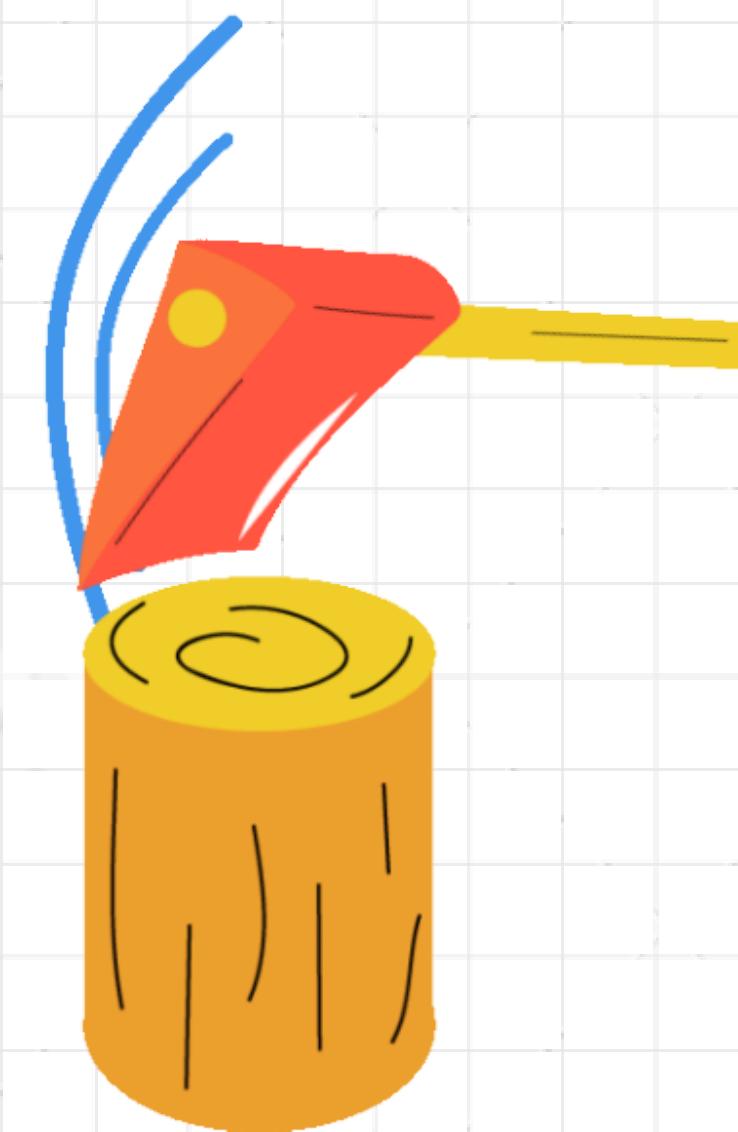
Back & Forth



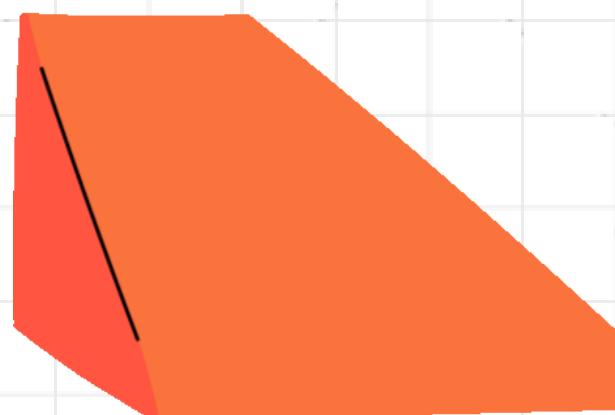
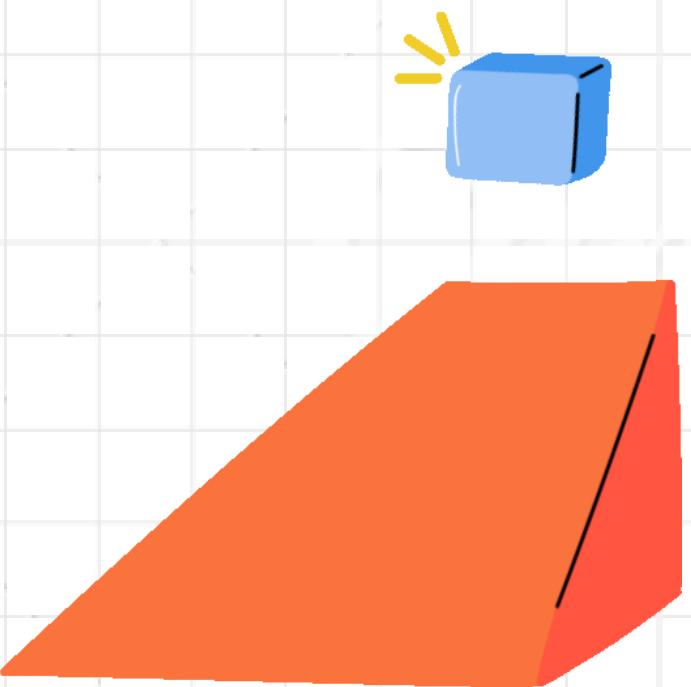
Rise and Sudden Drop



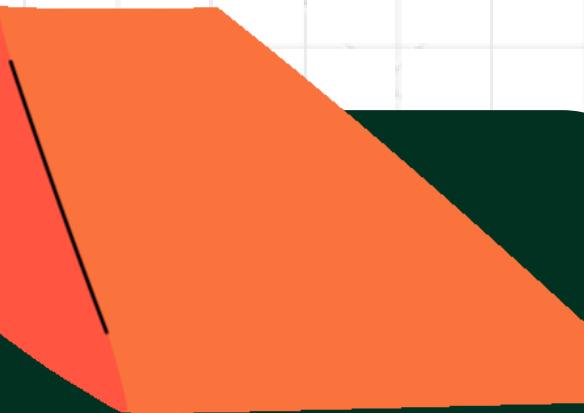
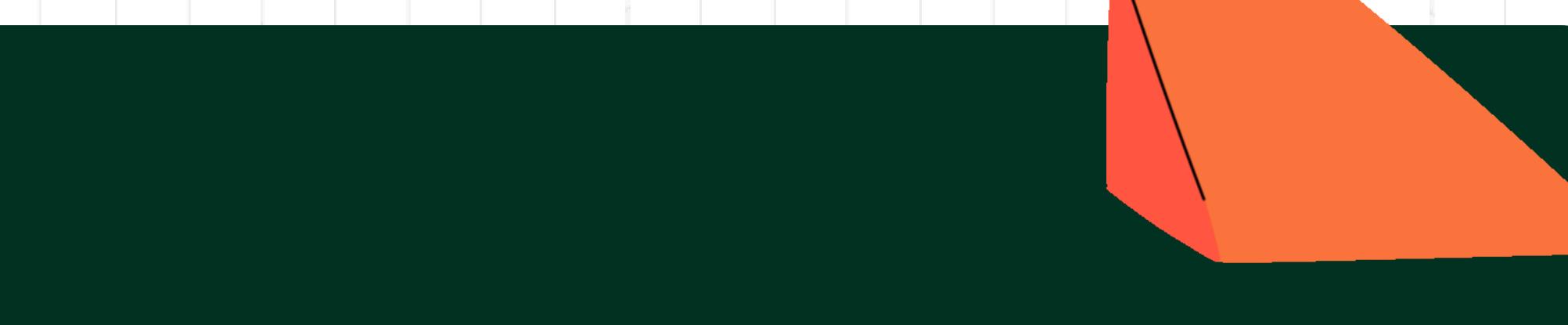
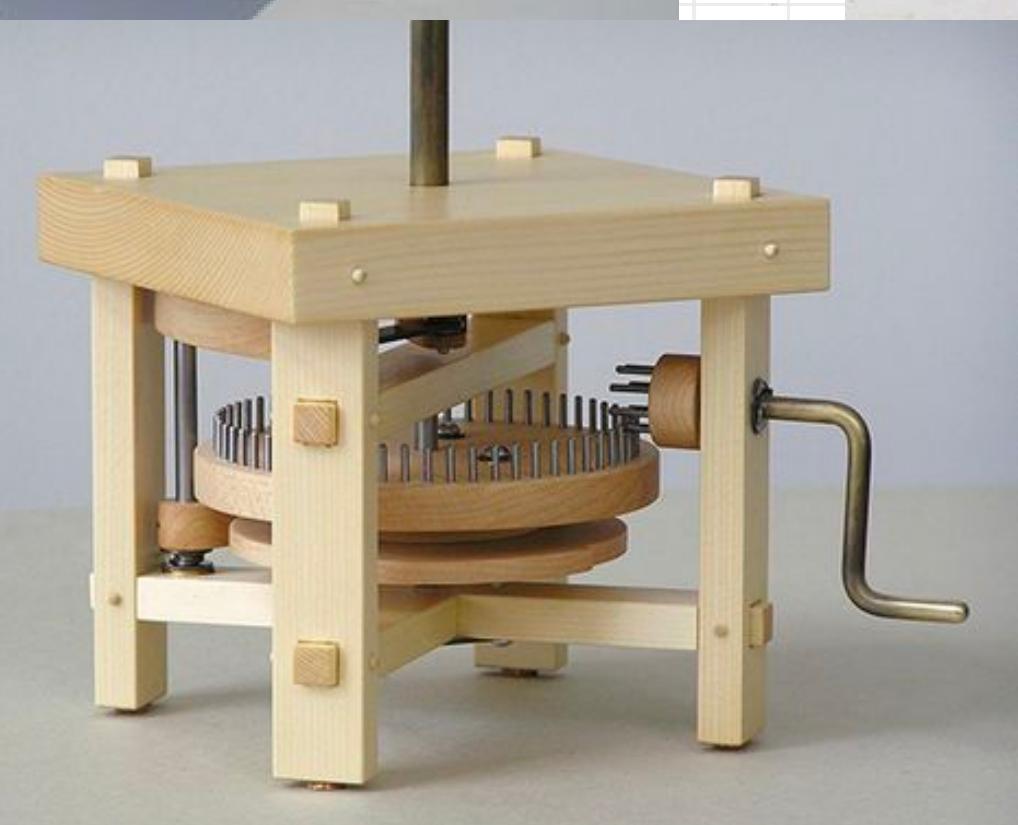
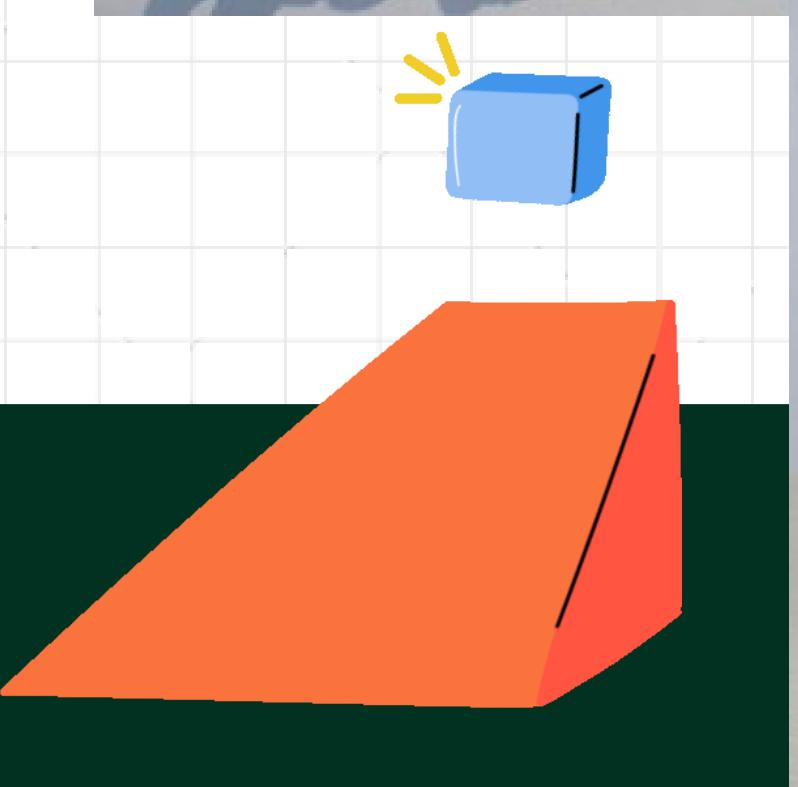
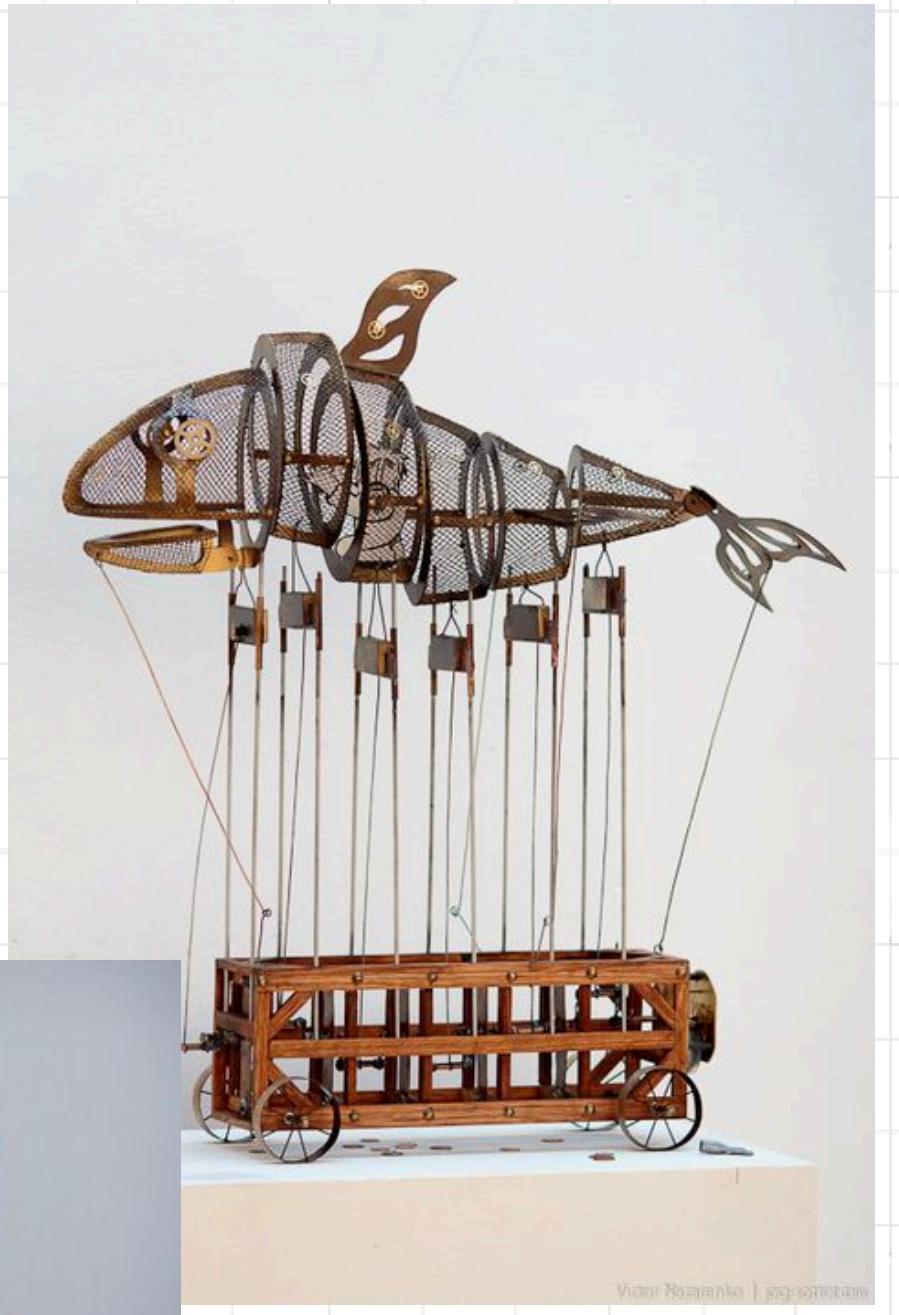
Up & Down

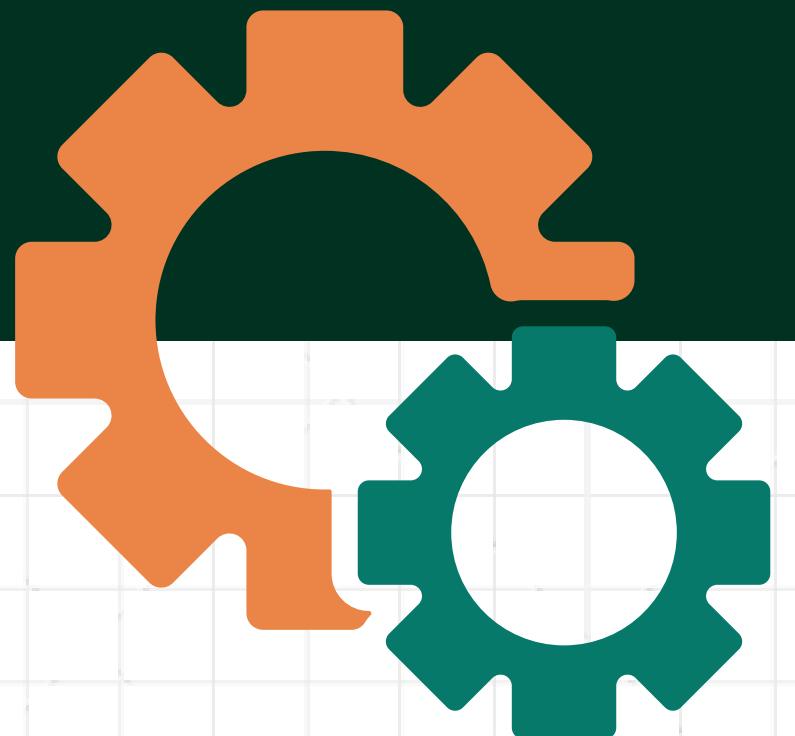


Project Inspo



Project Inspo





Thank you!

