MARCH MAMMAL MADNESS

Design a moving model of a mammal

Think Like an Engineer:

How can you use the motor to mimic the movement of your mammal?
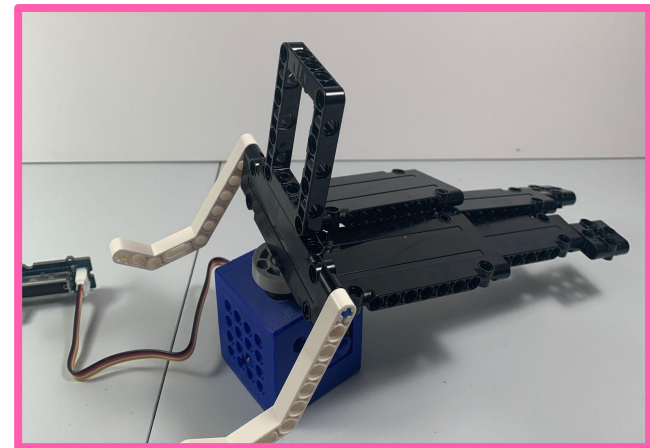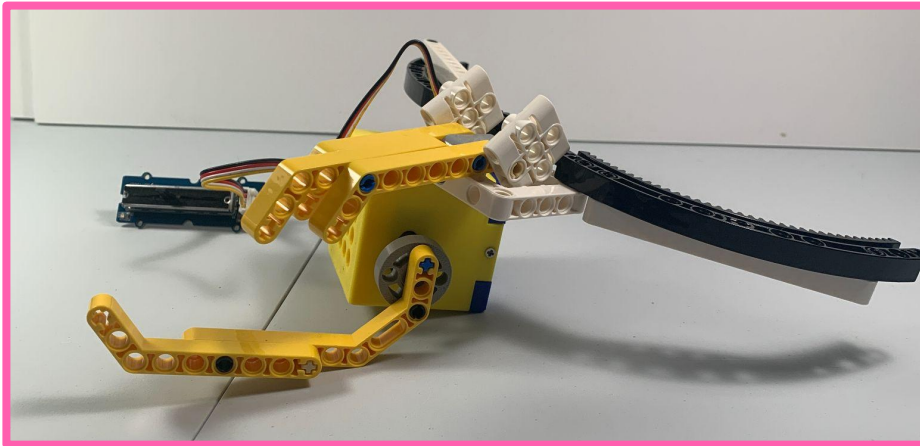
Think Like a Biologist:

What are key physical traits of your mammal? What behaviors does it exhibit?

EXAMPLE IDEAS

Build a mammal using the Smart Motor and LEGOS and/or paper materials.

Flip over for more details!

School of Engineering
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Education and Outreach

●● Intelligent · Intermediate

AI

Innovative Creations

🔨 BUILD IT!

Think about what part of the animal will be connected to the motor (legs, mouth, tail, etc.)
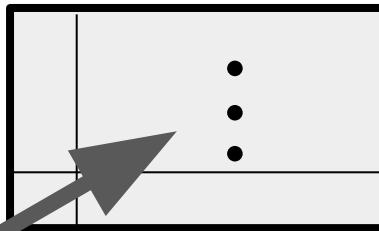
Consider what side the motor should be on before you start building.

</> CODE IT!

Coding Reminders

Remember to avoid creating data points on the same vertical axis. These points will confuse the motor when it's at that point of the sensor.

Modify It

- ● Create a code that shows...

    - ○ Range of Motion

    - ○ Repetitive Motion

Which motion pattern best reflects the behavior of your animal?

🔦 CHALLENGE YOURSELF

Build elements of your mammal's environment and adjust your build to interact with the environment.