12.Sled dog

1.Introduction

Do you know the husky, samoyed, and alaskan dogs?



1.Introduction

They are sled dogs.

In some high latitudes, local people still keeping the custom of pulling sleds by dogs.



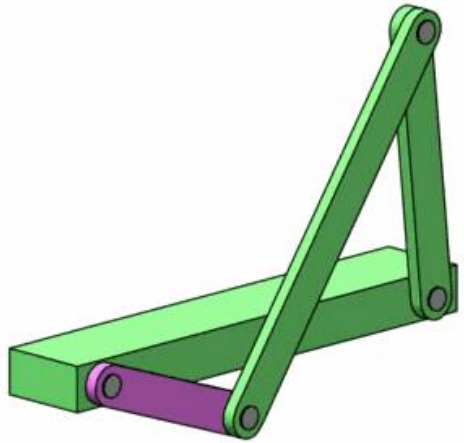
1.Introduction



How do you use parts to simulate dog walking?

2.Exploration

The crank-rocker mechanism is a common mechanical structure that can convert rotational power into swaying power.



3.Construction



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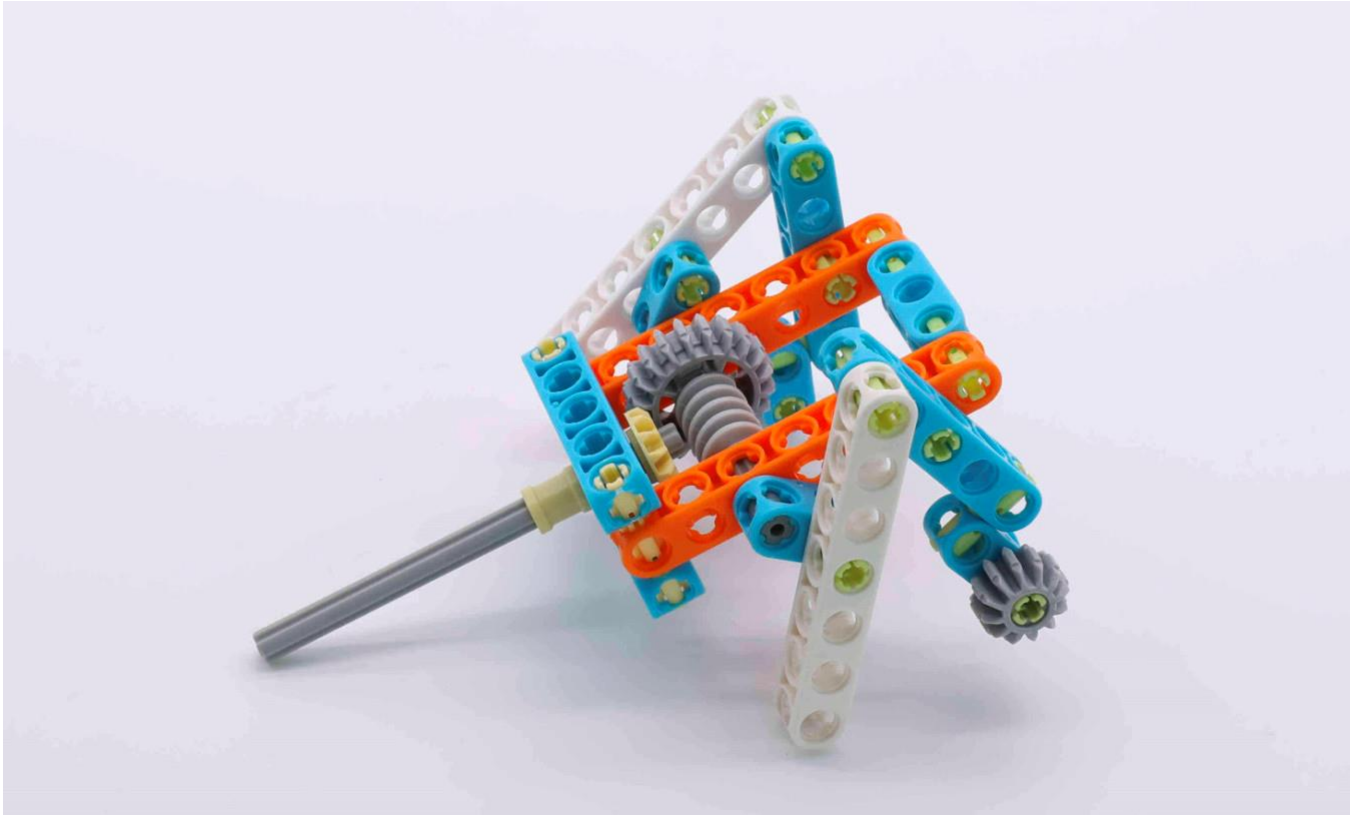

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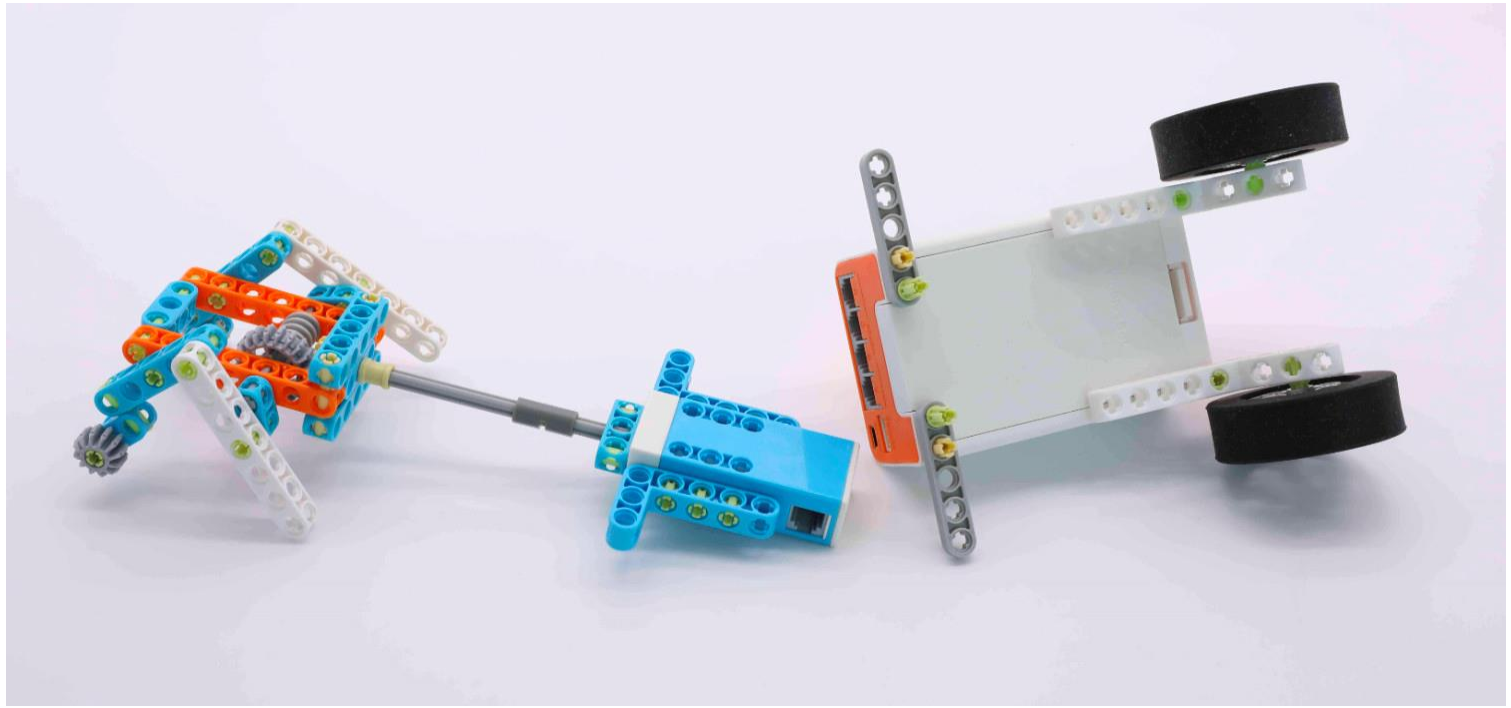

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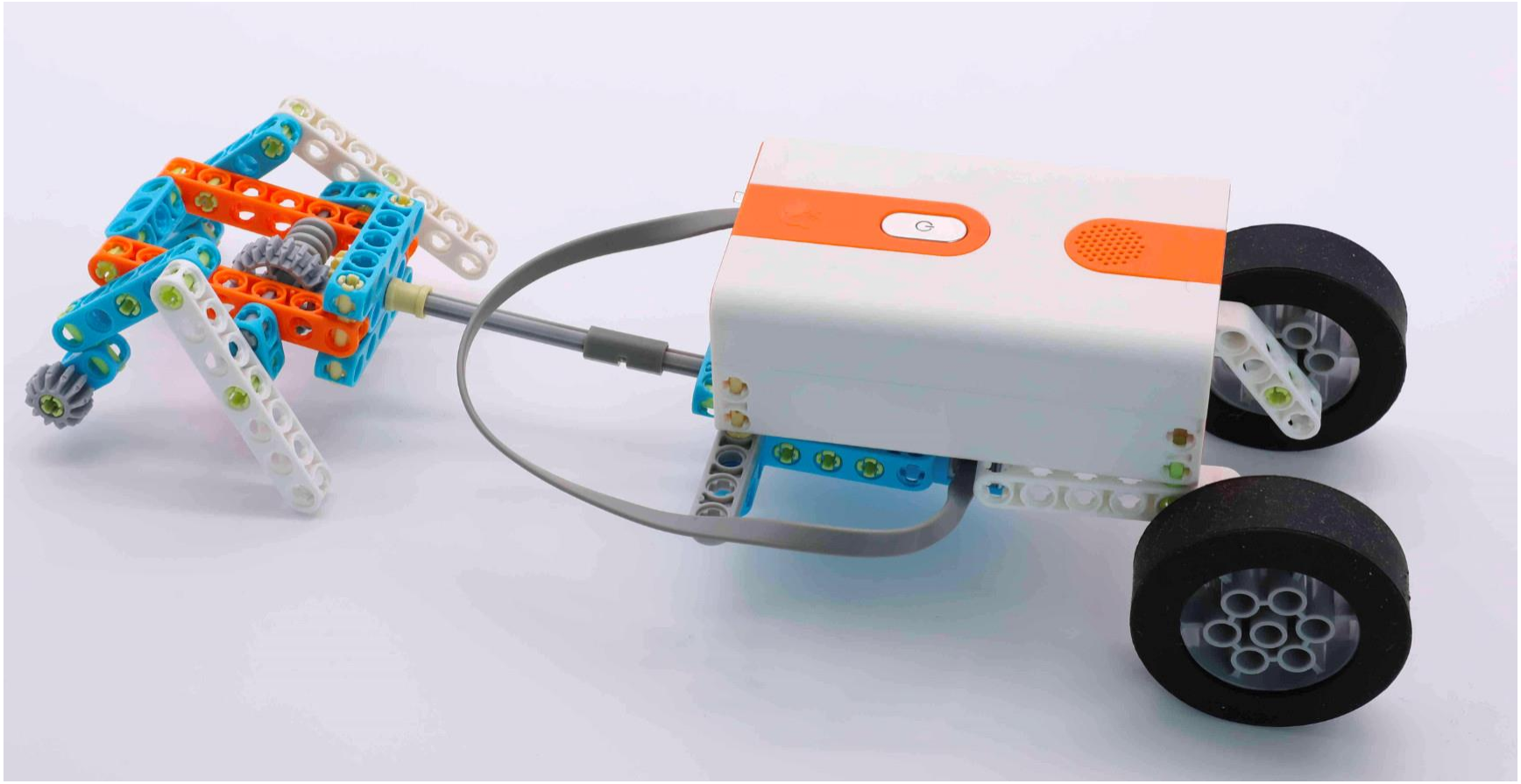


3.Construction

Connect the motor to port A.

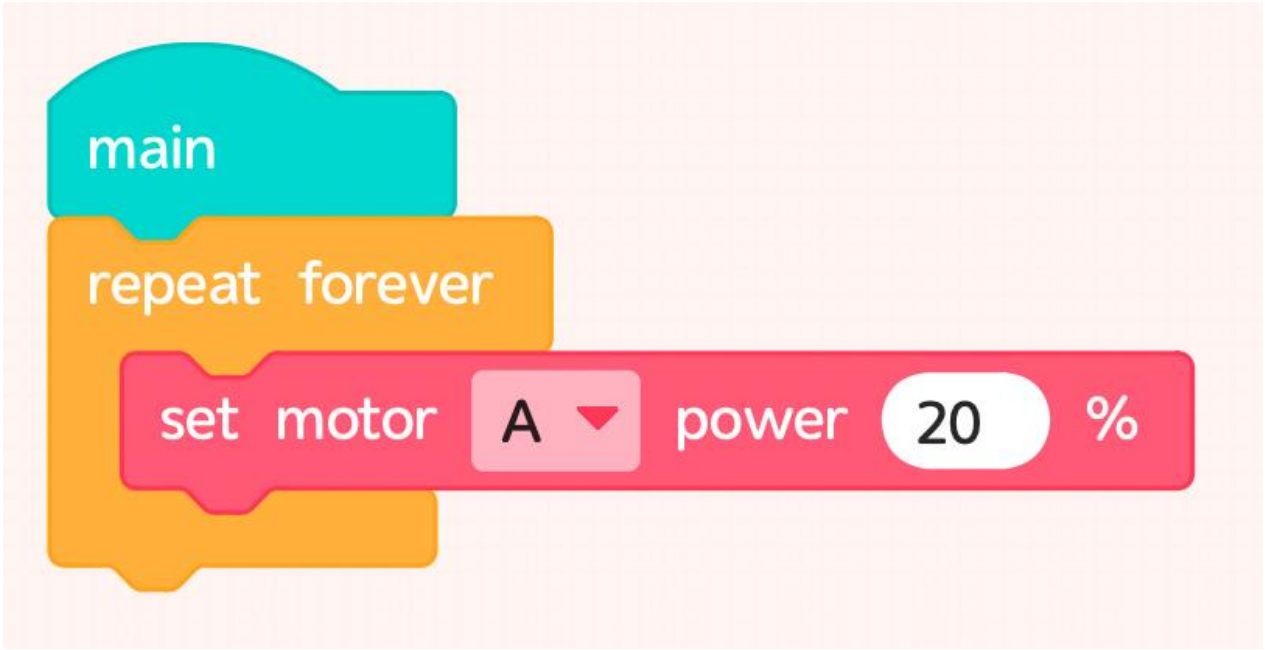


4.Coding

Using motor drive instructions, let the sled dog move and pull the car.



4.Coding



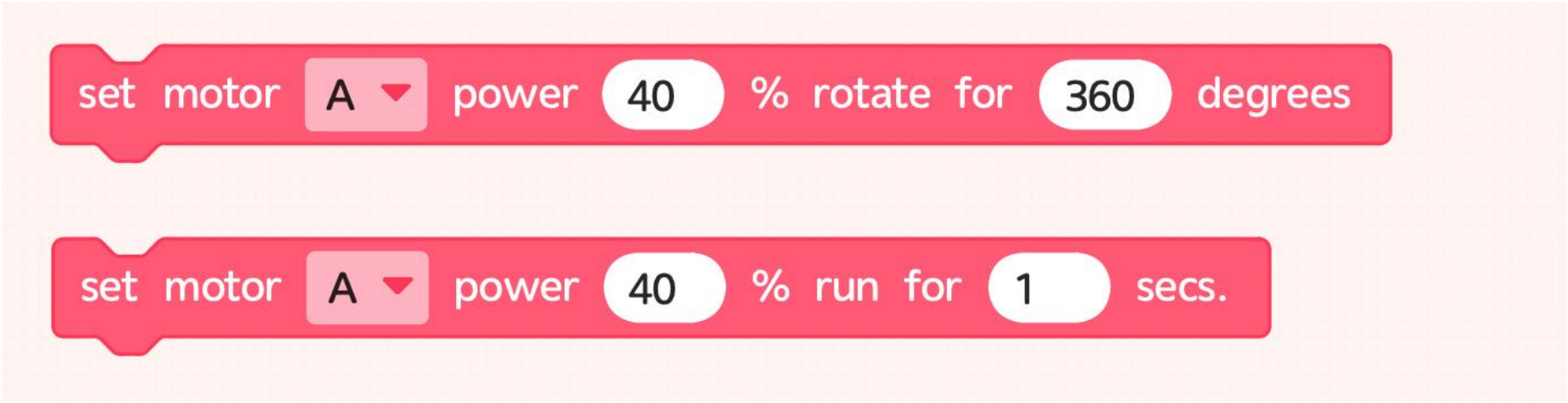
4.Coding

Draw a start line and a stop line on the table, using time or Angle control, and try to accurately control the distance of the sled.

Challenge**:**
Who be the first to accurately stop right at the end line



4.Coding


set motor A power 40 % rotate for 360 degrees
set motor A power 40 % run for 1 secs.

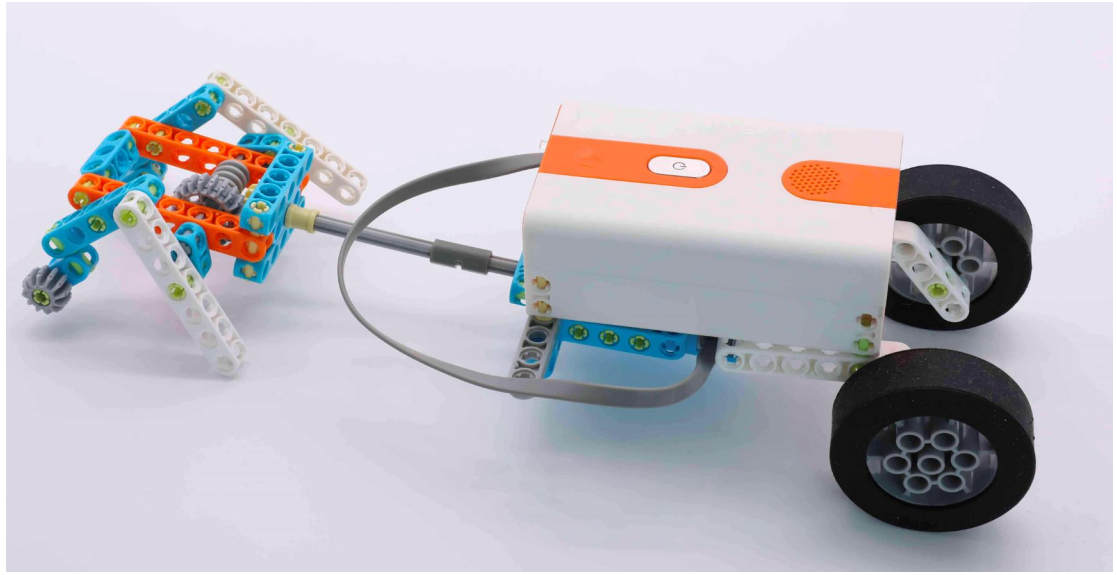
5.Evaluation

In this lesson, how do we change the rotation power to the swing power?

The crank-rocker mechanism.



6.Presentation



Please add the right sound for your sled dog.