Learning Series
Primitive Robot



This building-block programming kit introduces robotics and sensors.

The kit is equipped with various sensors such as sound sensitivity, color sensor, touch sensor, photoelectric sensor, color light, ultrasonic, camera and many building blocks parts. Students can build various building block robots with their imagination, and use graphical programming software to program the robot and experience the joy of hands-on creation.

Learning Target

01 **Knowledge**

Concept of robot.

02 **Ability**

Parts classification, basic construction.

03 **Attitudes/Values**

Learn about robots, cultivate academic interest.

Learning Target

01

Learning Focus

Parts classification.

02

Difficulties in Learning

Construction method.

Contents

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02 Teaching New Knowledge

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Course Introduction



Course Introduction



Do you think it is a robot, why?

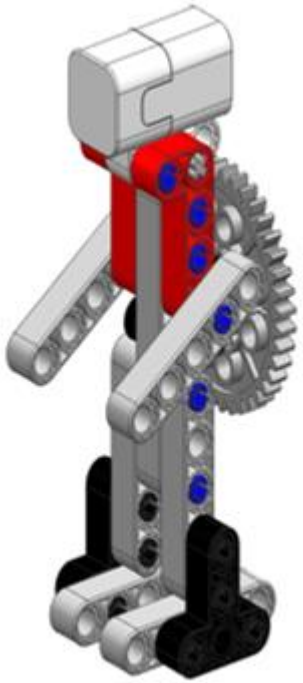
What is robot?

1. Performs automatically
2. Run pre-programmed procedures
3. Accept human command
4. Act on principles based on techniques

Mission: assist or replace the work of human

1. Production
2. Construction
3. Dangerous work

Course Introduction



Primitive Robot

Who is primitive robot?

Human Primitive -- Primitive Robot

The structural features of human: head, torso and limbs

Our task: identify parts and functions

Teaching New Knowledge



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THE LITTLE MAKERS

Teaching New Knowledge

The sample of parts

(1) Electronic

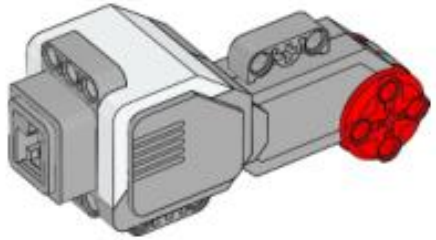
(2) Beam

(3) Connector peg

(4) Axle

(5) Block

(6) Wheel



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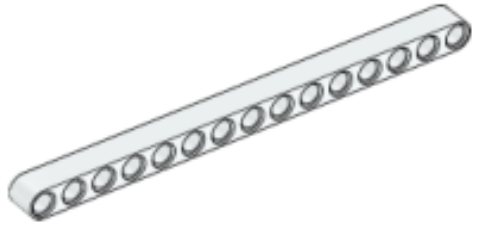

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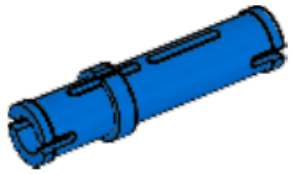

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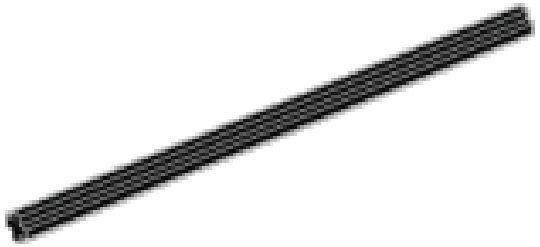

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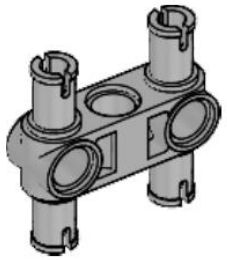

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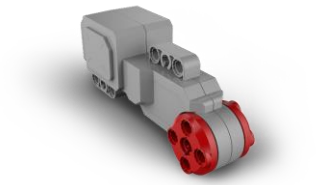
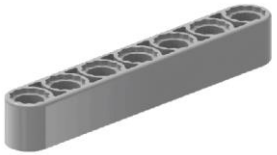
Teaching New Knowledge

Parts classification and function



Electronic

RCU,
sensors,
executors,
etc.



Beam

play supporting role
when stressed.



Connector peg

to connect

Teaching New Knowledge

Parts classification and function



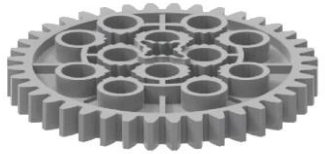
Axle

to transmit, with wheels



Block

to connect with multi-directions



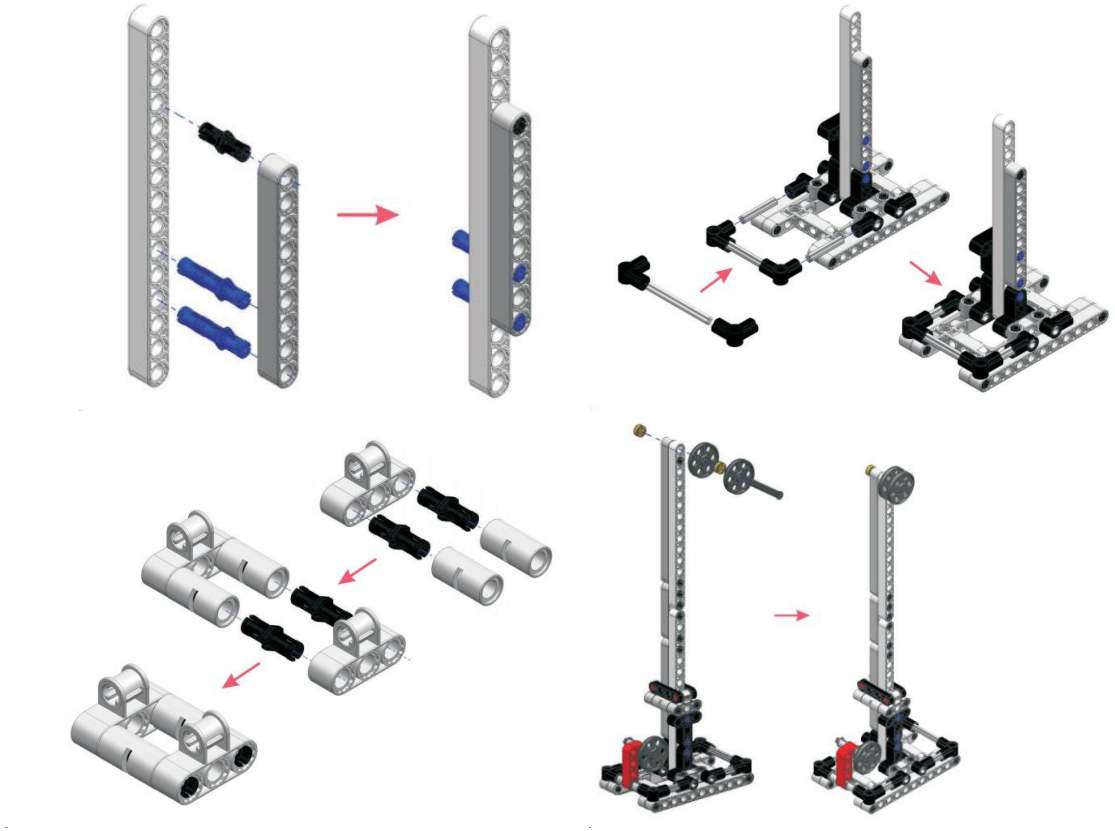
Wheel

to move/transmit

Task Practice



Task practice



Assembly requirements

①stable structure

②focus is right

③shape match

Checking Effect



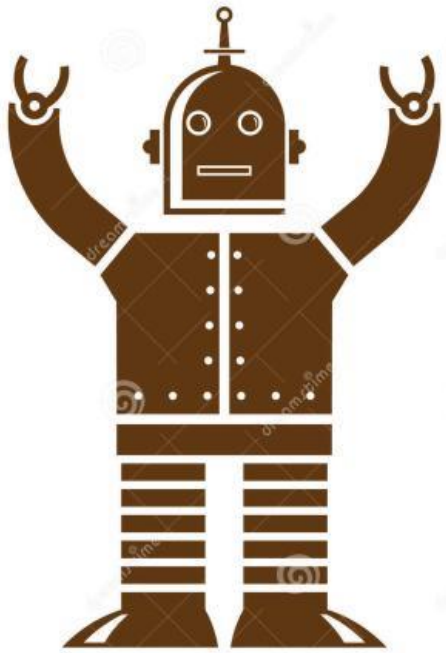
Test Effect



Reviewing the learning content and deepen the impression.

Question 1	What is the name of the robot made today?
Question 2	What have we learned today?
Question 3	What type of parts can be divided into?

Test Effect



Homework

①Role play to introduce, acting as robots

②Perform politely, such as greetings, applause.

Thank you for watching.

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