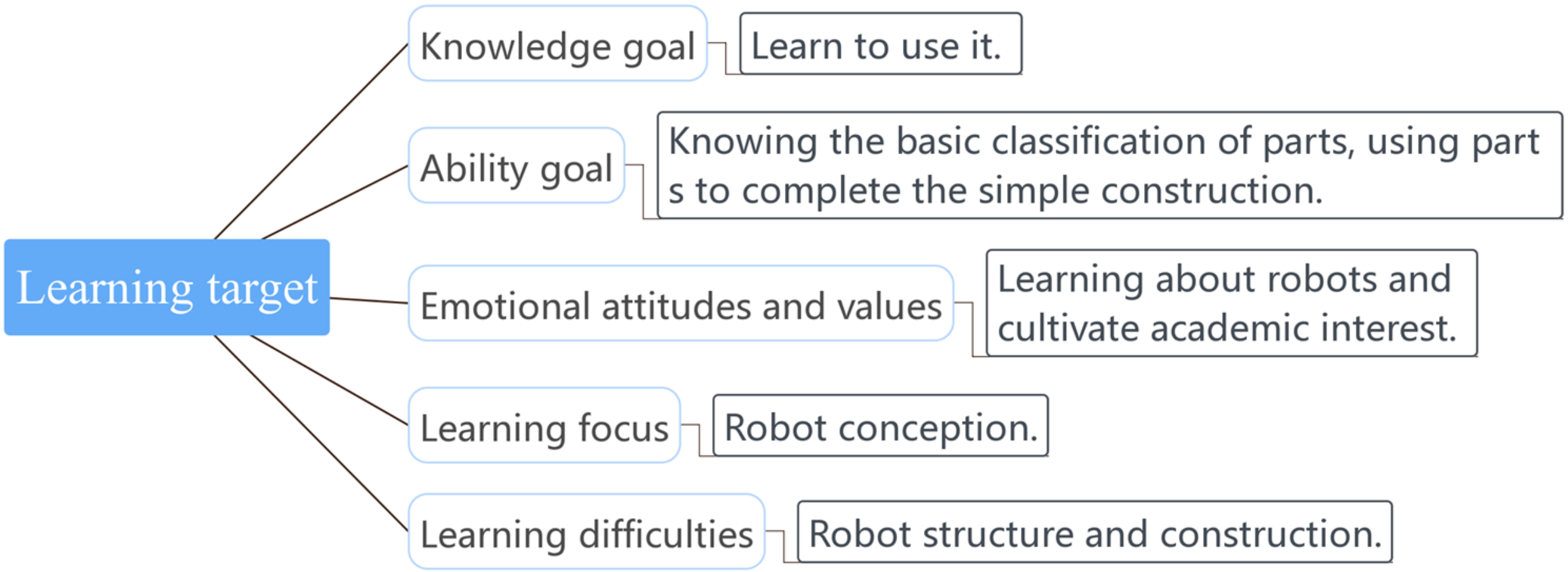
Learning Series
Wali Robot



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



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Course Introduction



Course Introduction

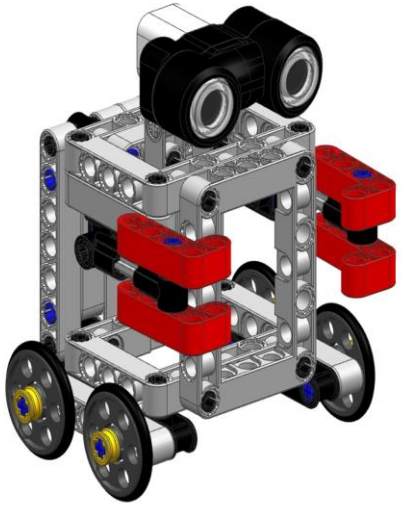


The Wali robot is a clean robot in the movie, what about your robot?

Walli is a fictional character in the movie "Robot Wali" and is also the protagonist of the film.He is a robot with a garbage-carrying crane that guides the trainer to discover what the characteristics of the wind force are: the arm is used to change or control the square garbage block; the track is used to push the large type of garbage and is suitable for various terrains.

For example: remote control, programmable, automatic detection of the power of the robot

Course Introduction



Wali
Robot

Know about the Wali robot

Skilled in the use of the cooperation of different parts to complete the design and assembly of "Wali".

The Wali robot is one of the clean robot series, which is used to push clean and push large garbage square blocks. It is a virtual industrial robot.

Teaching New Knowledge



Teaching New Knowledge

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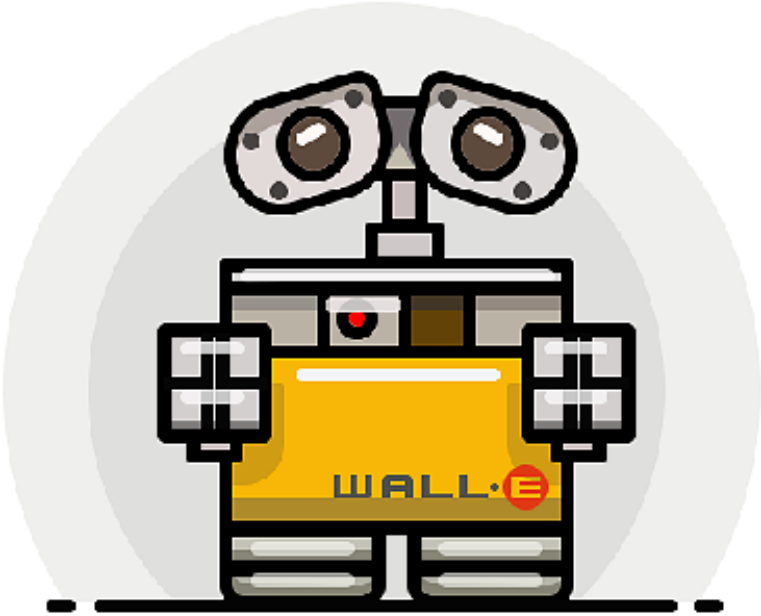
Type: industrial / military / service type

Structure: head - body - arm - feet - special parts

Function: Create according to actual simulation positioning



Teaching New Knowledge

Equipment matching: (Set the concept as clean type Wali)

Feet: using the roller to keep the center of gravity moving smoothly

Body: the direction of the trunk connection is changing, the rational use of block parts and peg parts. emphasize coordination and stability

Head: complete the construction of the five seses with parts with similar shapes

Arms: used to push the item, need to bear a lot of pressure, need to emphasize the firmness



Task Practice



Checking Effect



Test Effect



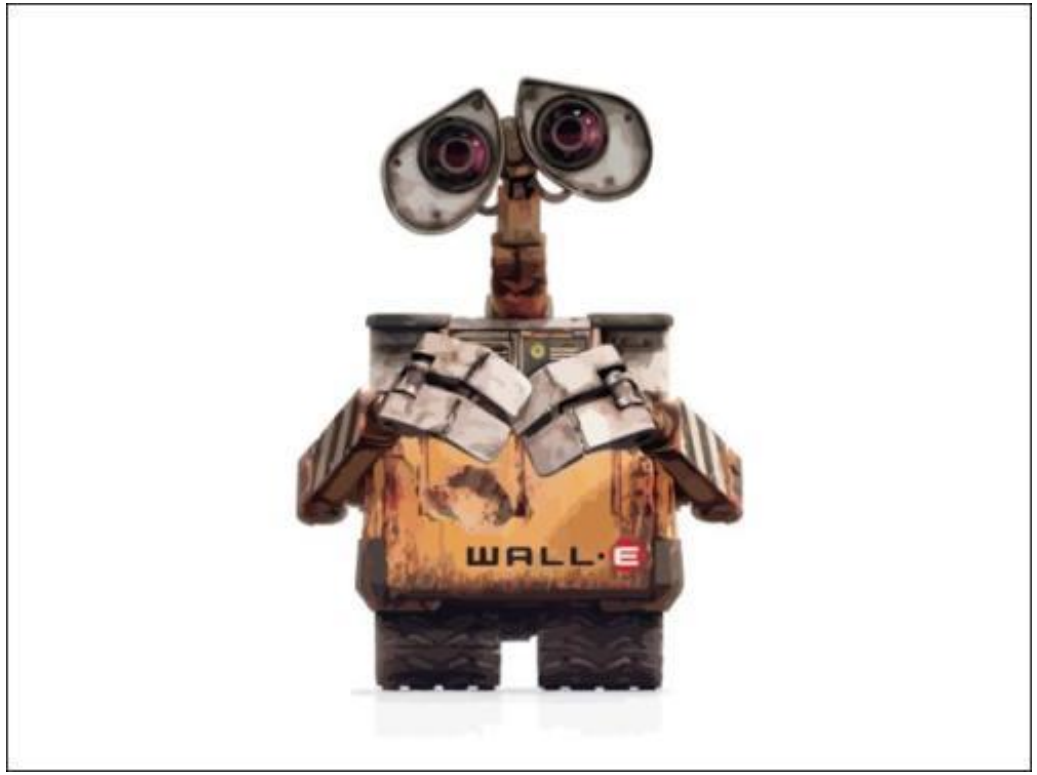
Reviewing the learning content and deepen the impression.

Question 1 What is the name of the robot made today?

Question 2 What materials are used in today's robots?

Question 3 What type of robot did you design?

Test Effect



Homework

Explain the presentation according to your own robots, like the robot name, the source inspiration, what is the most satisfactory place of the robot, and the comments between the robots.

Thank you for watching

BE STEM READY

