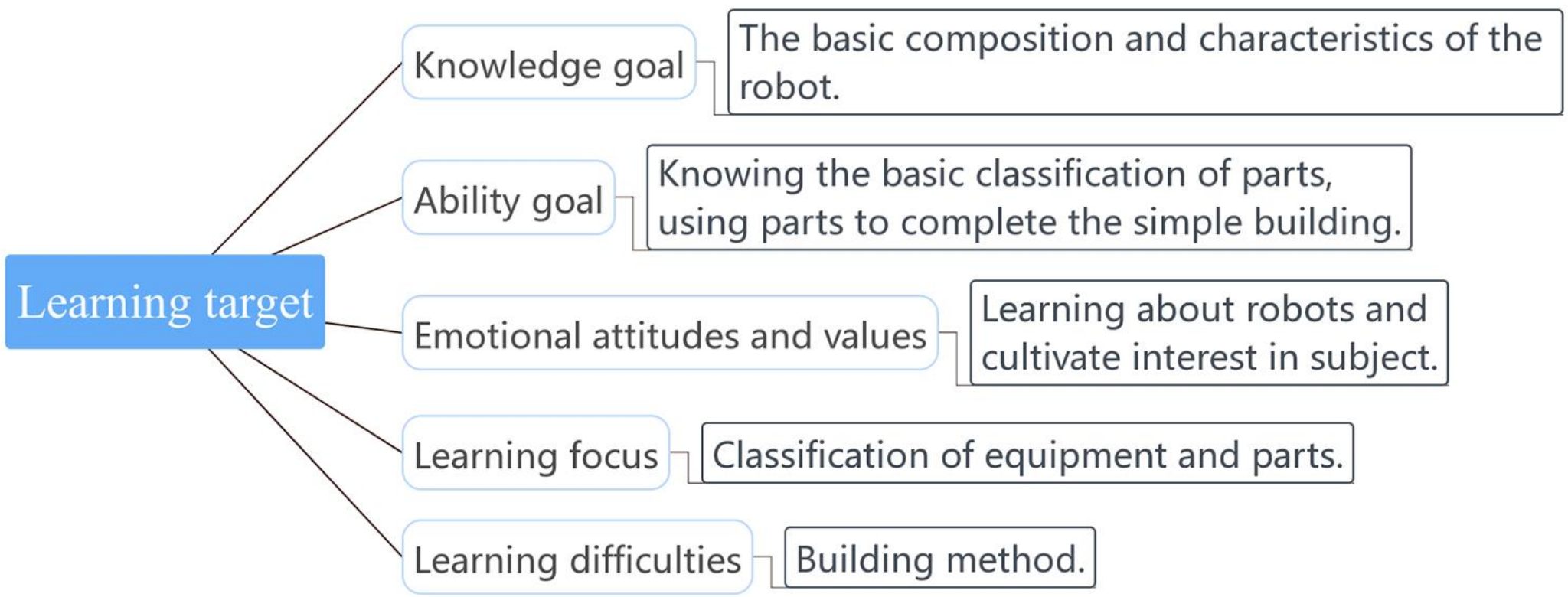
Learning Series
Your First Robot Model



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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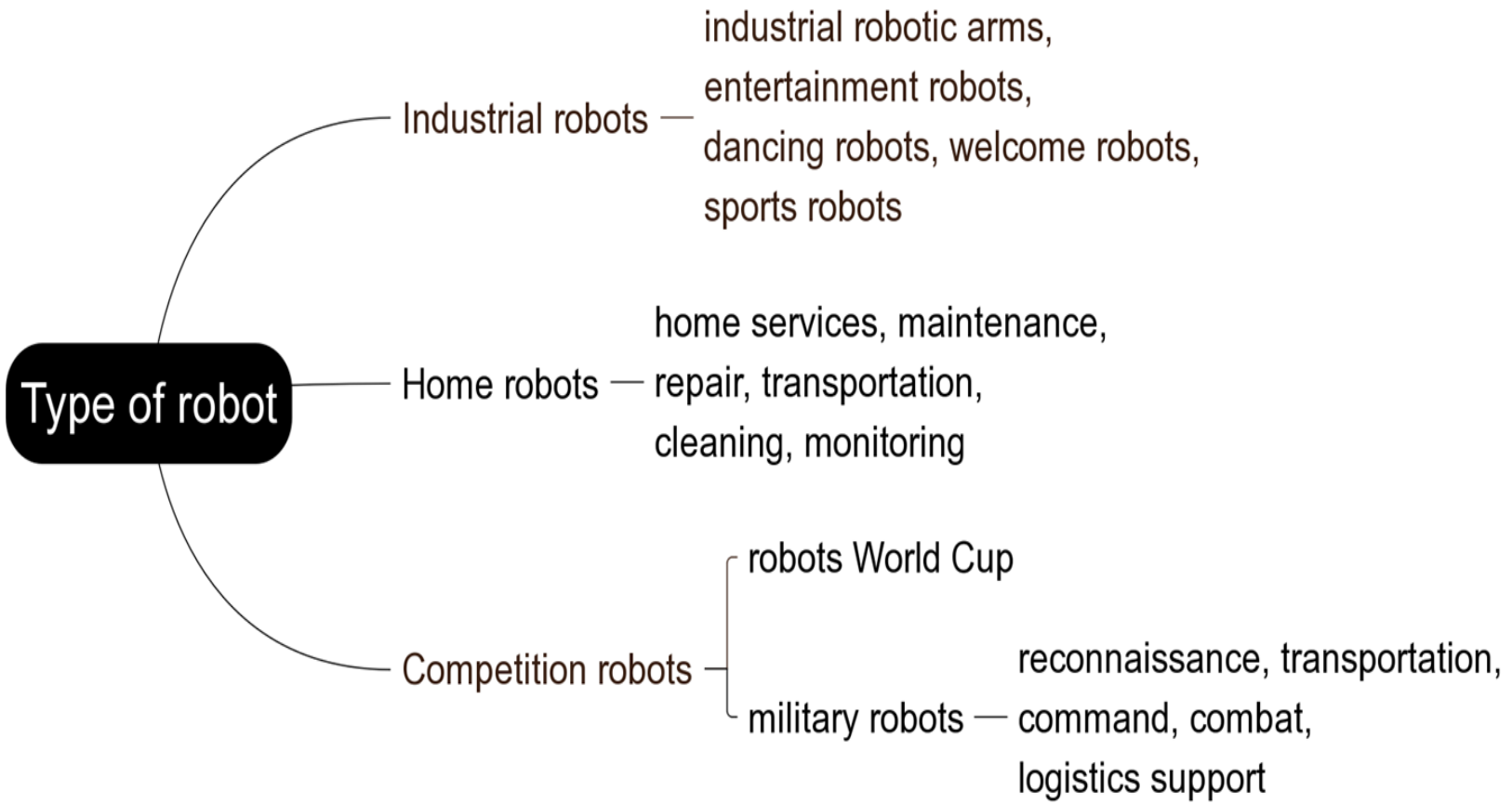
Course Introduction



Course Introduction





What type of robot do you know? Please take an example

Course Introduction



Your First Robot Model

Understanding components is fundamental to classroom communication. Consistent practice is essential for memorization and effective application.

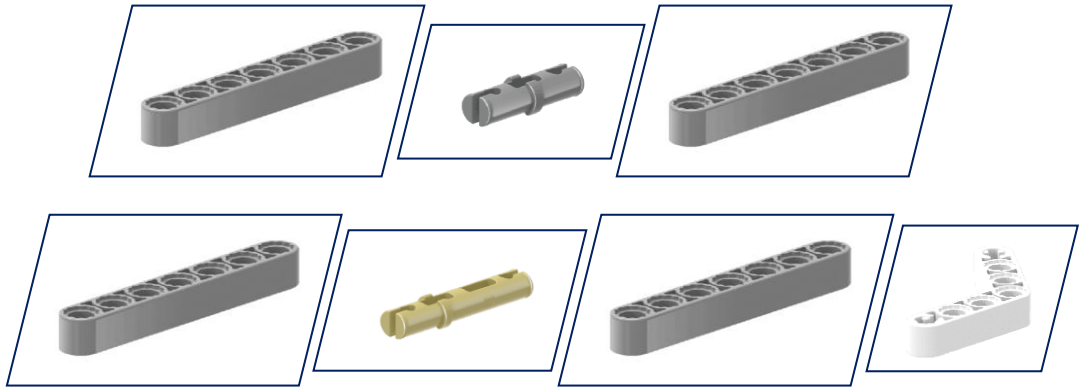
Among the diverse types of robots, humanoid robots garner significant attention, particularly in educational settings. Their engaging and appealing design, coupled with a broad knowledge base and helpful, enthusiastic nature, often benefits children.

Teaching new knowledge

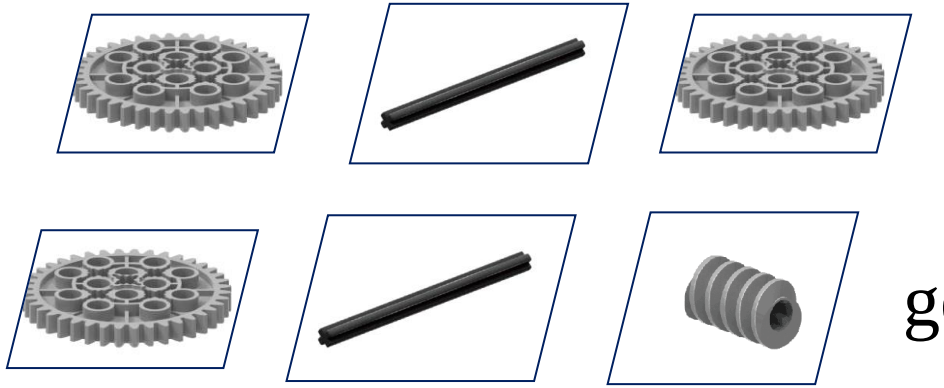


Teaching new knowledge

Method of parts building



beam and peg



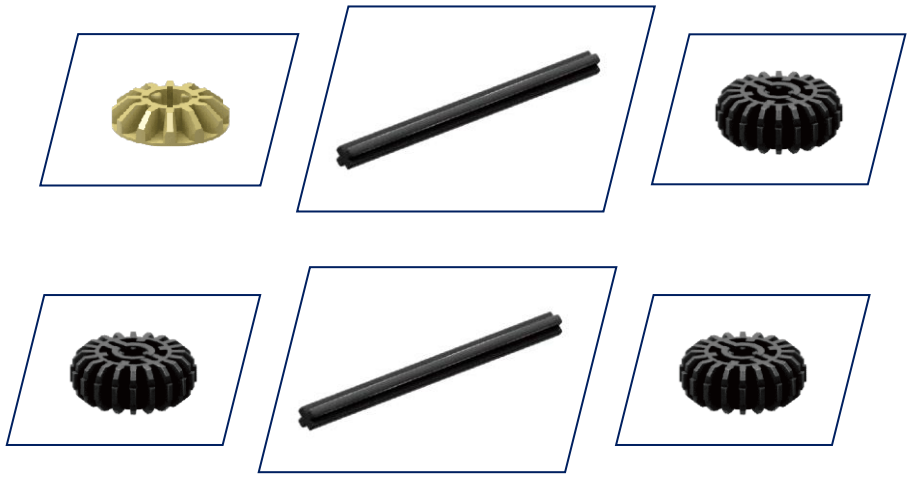
gear and peg, gear and axle, gear and gear

gear and gear

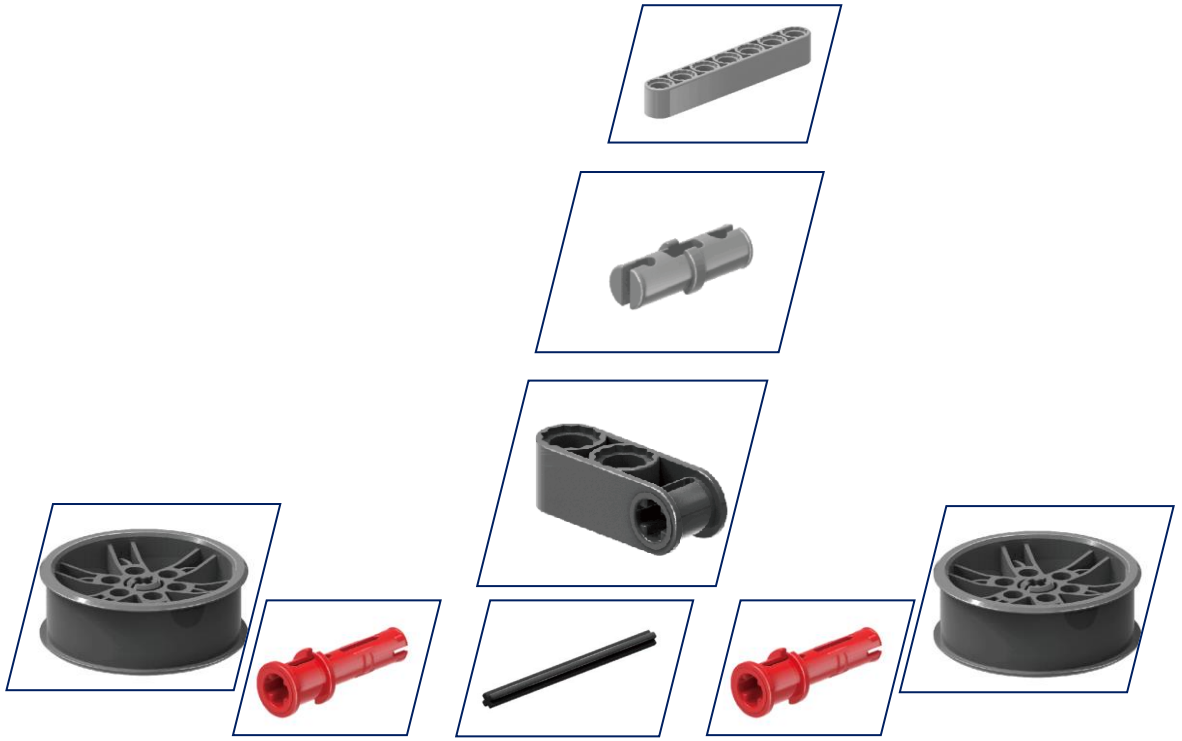


Teaching new knowledge

Method of parts building



gear and gear

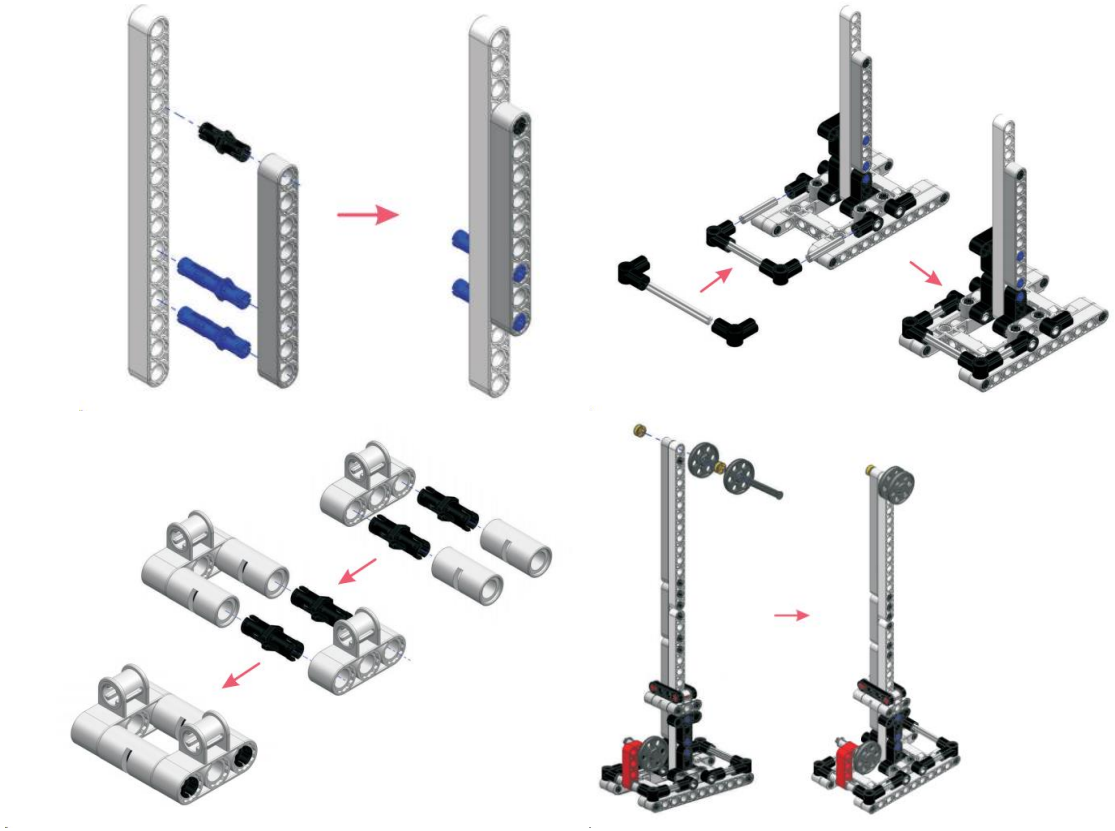


block and other

Task practice



Task practice



Assembly requirements

①stable structure

②Proper gravity

③shape match

Checking effect



Test effect



Reviewing the learning content and deepen the impression.

Question 1 What is your Robot Name?

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

Question 3 How many pegs is used for connecting with four straight beams?

Thank you for watching.

BE STEM READY

