

Qoopers series course

Section 6

《Little Guardian A》

Curriculum objectives

Knowledge and skill

1. Using metal component, complete structure building of Little Guardian;

Process and methods

1. Through structure building, exercise students' ability of operation and summary;

Emotional attitude and values

1. Train students' spirit of loving exploration by the curriculum introduction.

Curriculum introduction



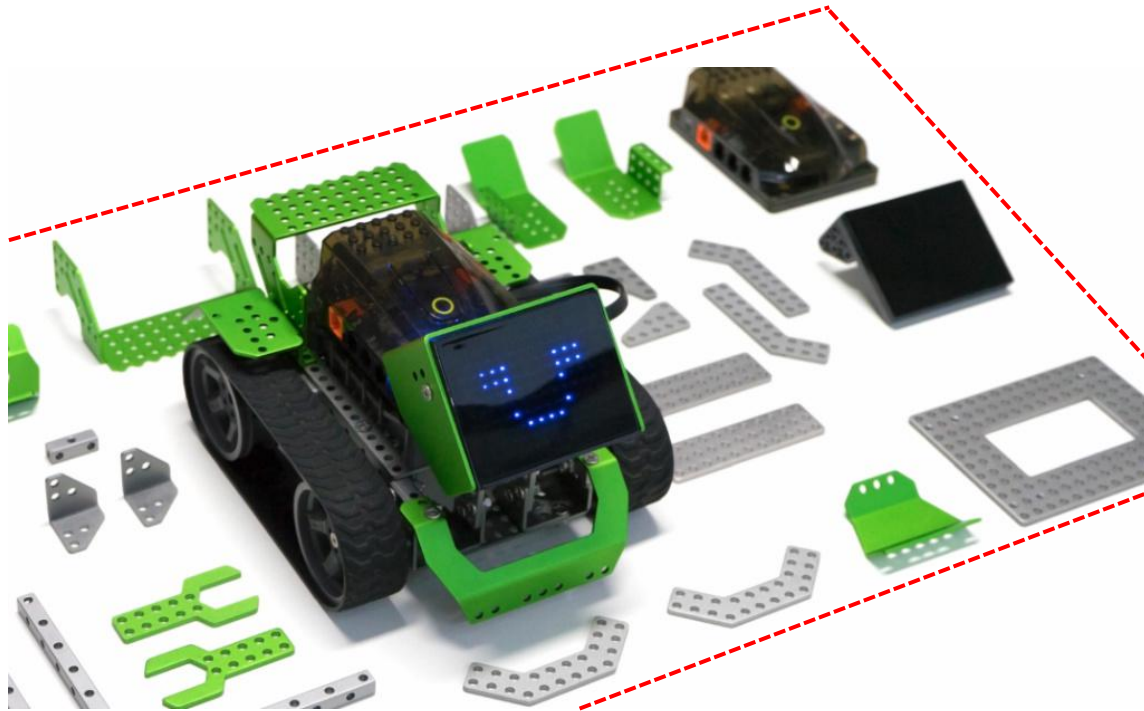
Captain Alloy lead Qoopers to rest and arrange in nearby safe place after evacuating from volcano group, suddenly, Captain Alloy detect that there is unknown energy fluctuation in nearby place, after detection we found that there are many places have active energy in a cavern of north.

Captain Alloy gathered everyone to discuss that facing active energy in the cavern, we decided to prospect in actual place. But the entrance of cavern is very low so it cannot guarantee everyone could get in.

Therefore, this detection task was distributed to Little Guardian, which is short in Qoopers.

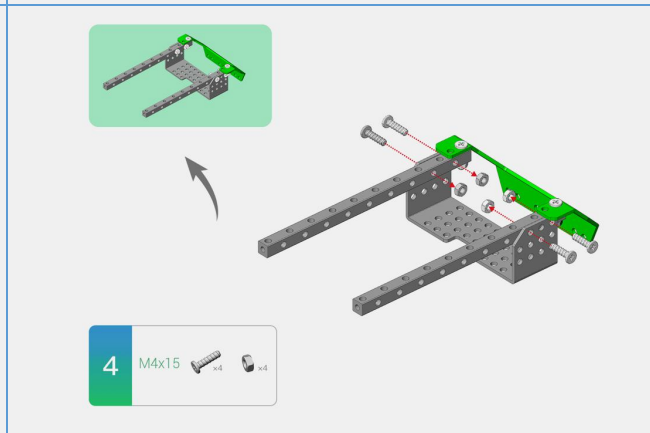
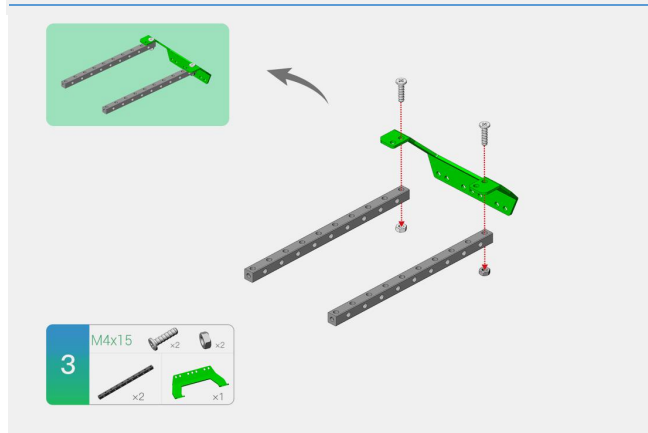
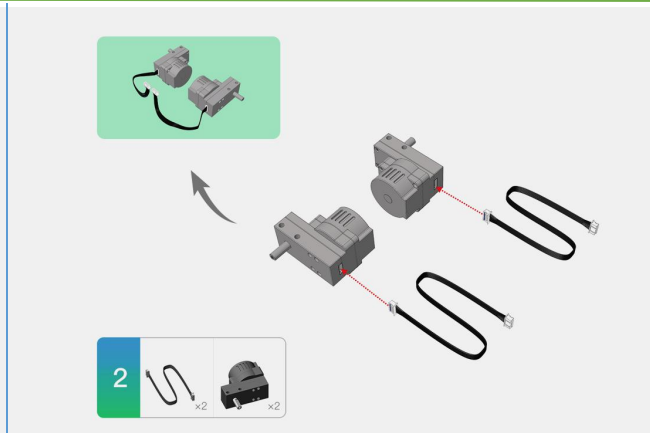
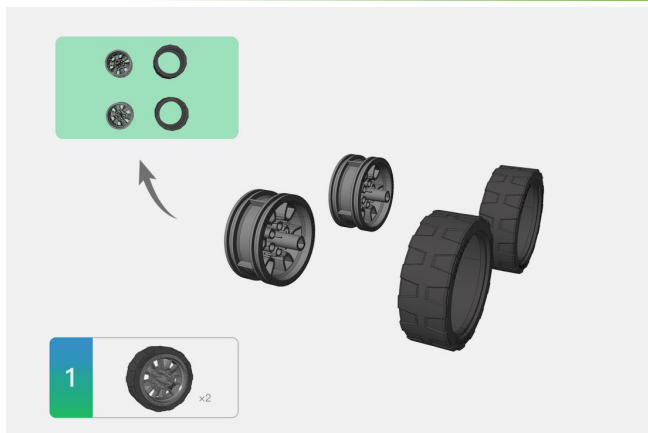
Rest assured,
Captain Alloy,
I pledge to
complete task!



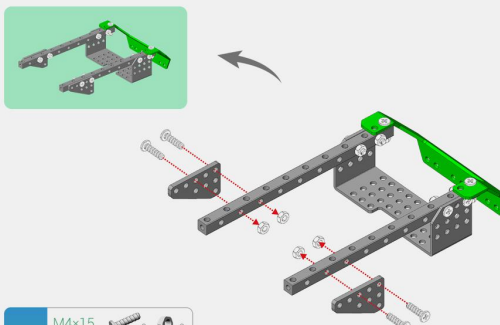


The character of Little Guardian is that it has a firm metal outer skin and cute expression. It is so-called Little Guardian, because it is short in Qoopers.

Structure building



Structure building






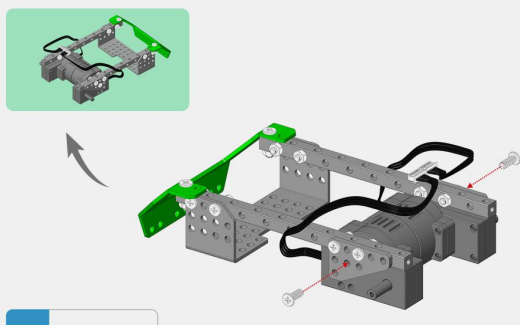
5 M4x15  x2  x2  x2

Diagram showing the assembly of a motor mount. A long grey M4x15 screw is inserted through a triangular plate and a washer into a motor housing. A second screw is inserted through another triangular plate and washer into the opposite side of the motor housing. A green motor housing is then attached to the top of the motor housing.




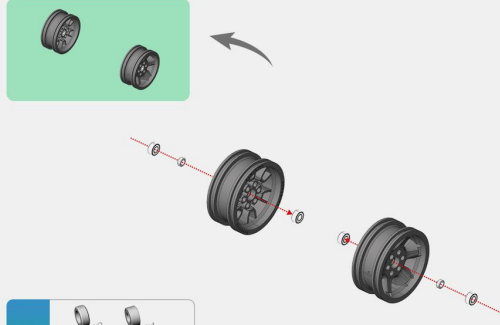
6 M4x9  x2

Diagram showing the assembly of a motor mount. Two M4x9 screws are inserted through the motor housing into the triangular plates. A green motor housing is then attached to the top of the motor housing.






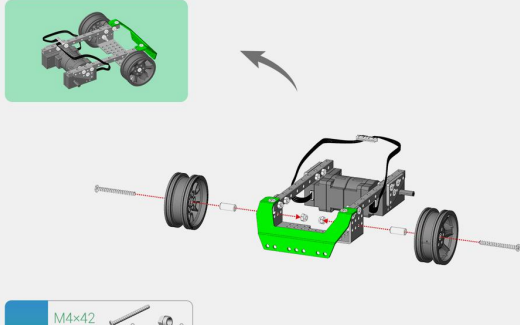
7  x2  x4  x2

Diagram showing the assembly of a wheel. A grey axle is inserted through a washer and a wheel into a motor housing. A second wheel is attached to the opposite side of the motor housing.









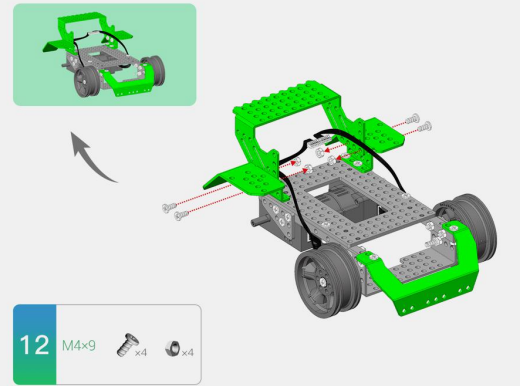
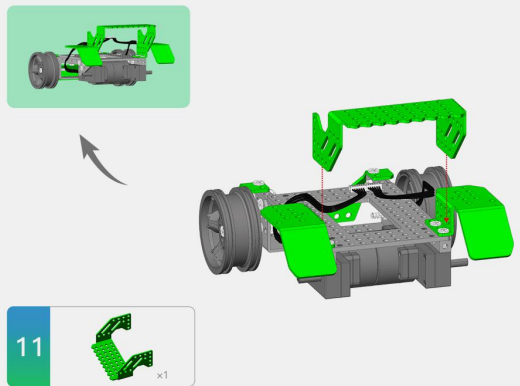
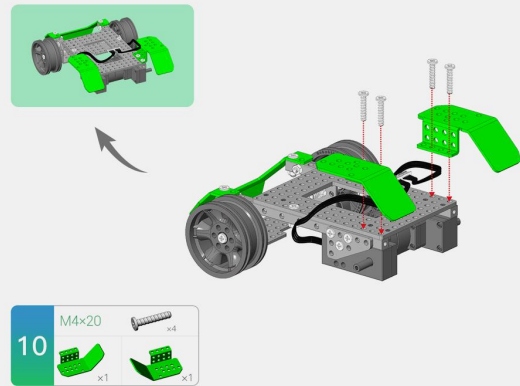
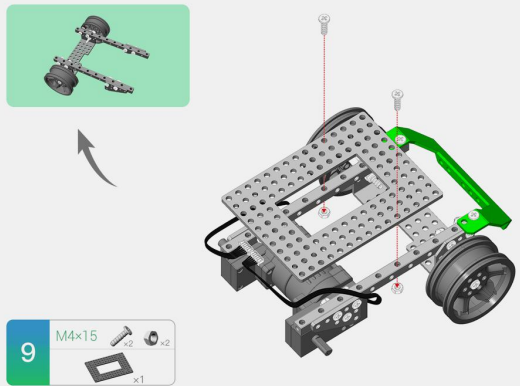
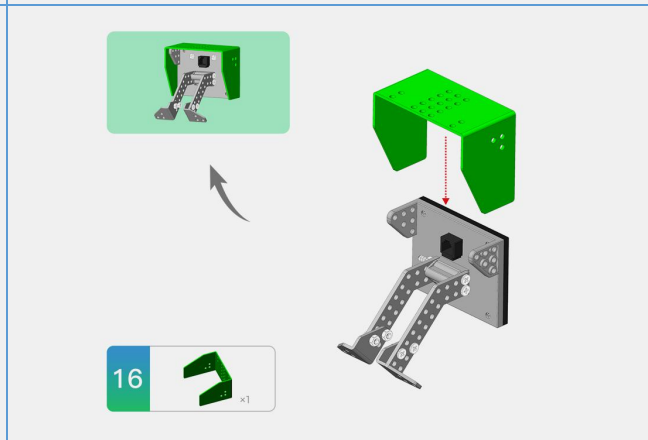
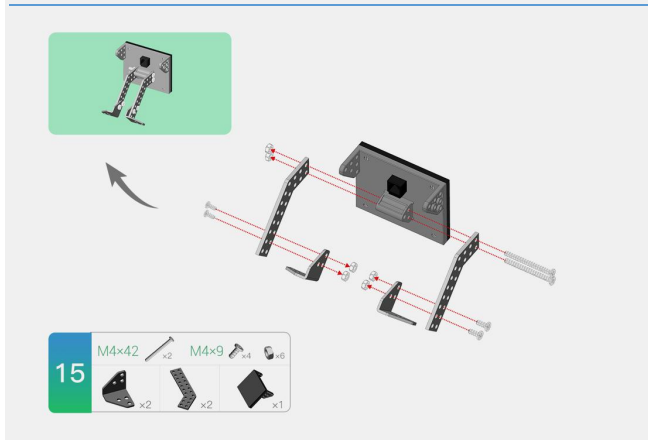
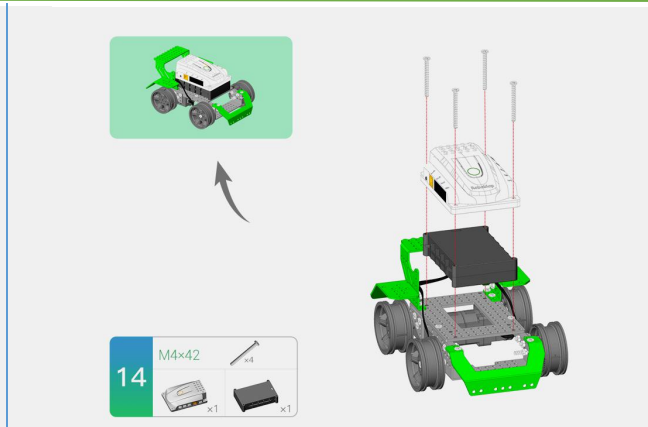
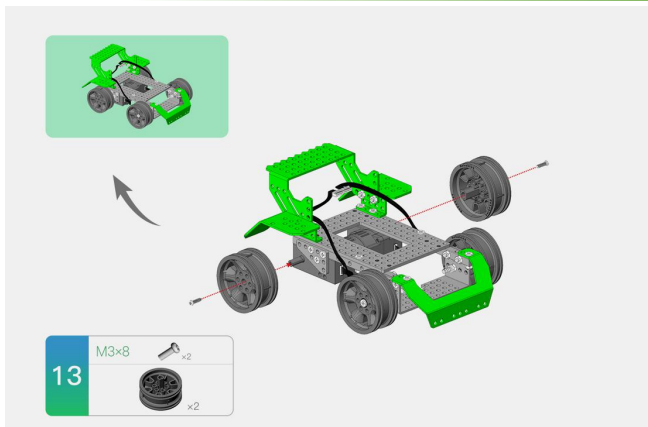
8 M4x42  x2  x2  x2  x2  

Diagram showing the assembly of a wheel. A long grey M4x42 screw is inserted through a washer and a wheel into a motor housing. A second wheel is attached to the opposite side of the motor housing. A green checkmark and a red X are shown next to the screw and washer icons, indicating that the correct assembly is shown.

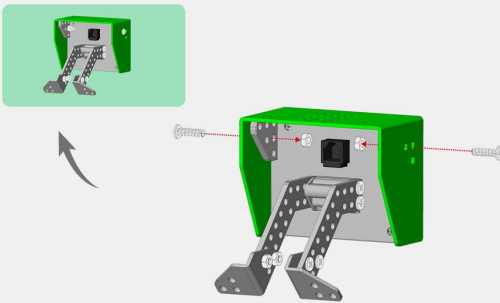
Structure building





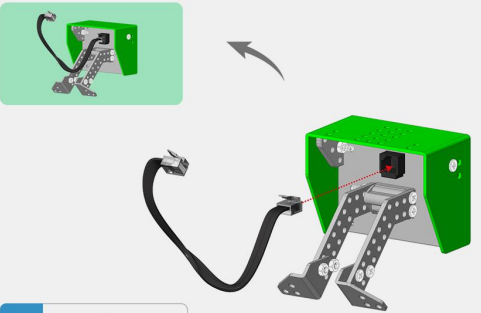
Structure building




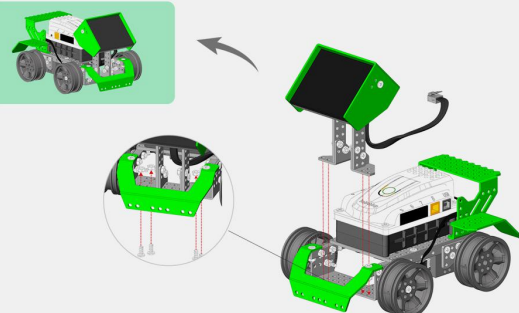
Structure building





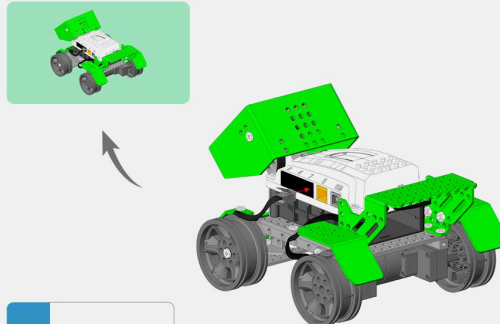
17 M4x15  x2  x2



18  x1

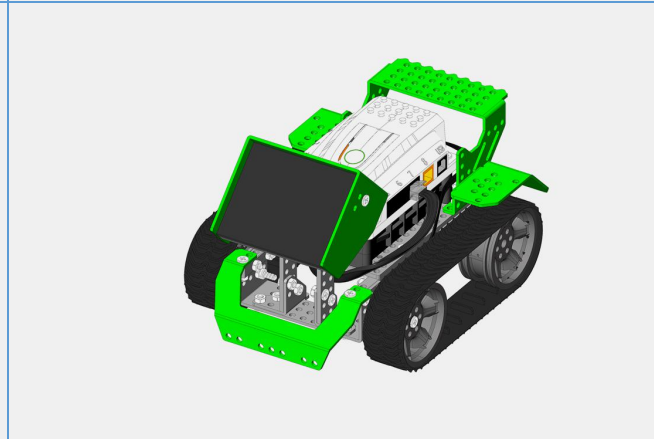
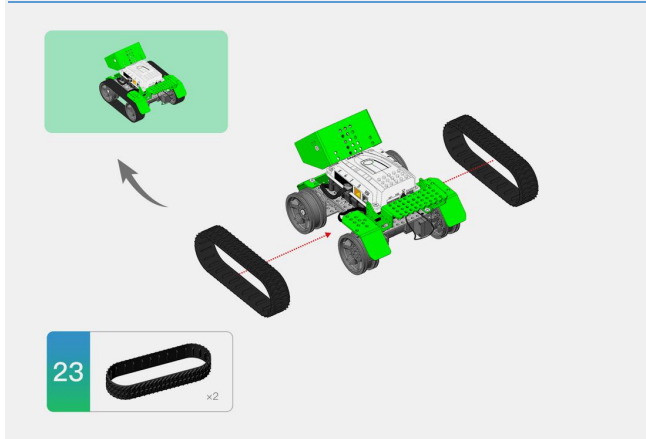
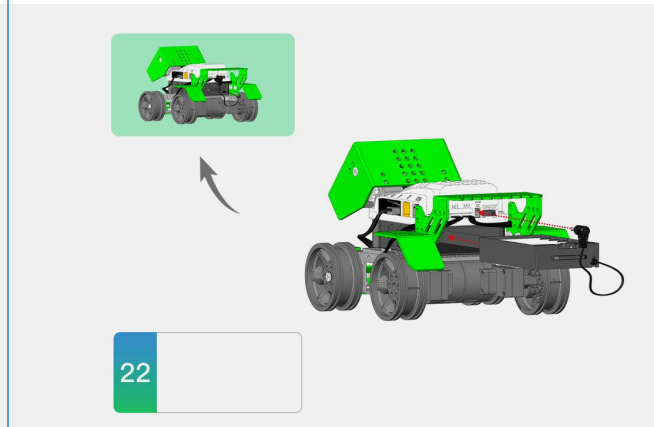
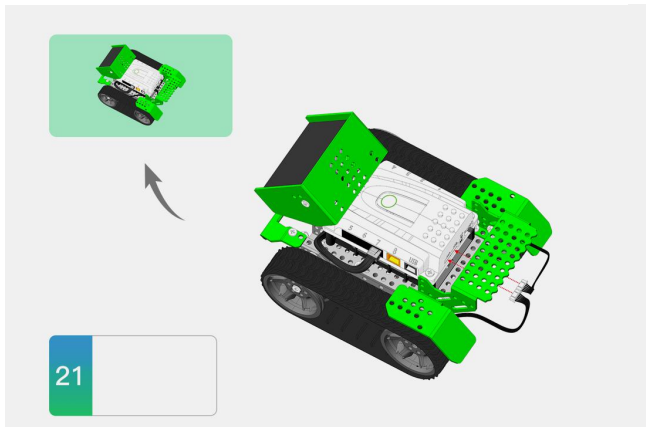


19 M4x9  x4  x4

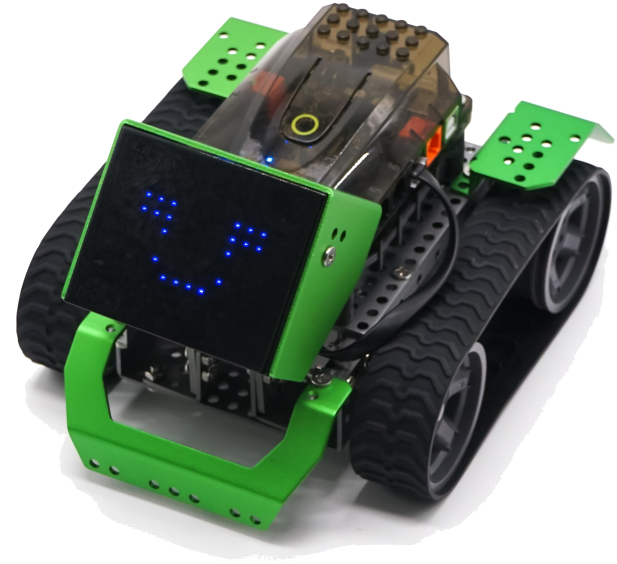


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Structure building



After finishing building, remember to check whether it is right or not about the port connected by electrical machinery connection line and LED matrix screen



Summary and rethink

1. What building skills are you summarized in the process of structure building?

2. What have you found in the order of building?



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