Logic

Space

Coding

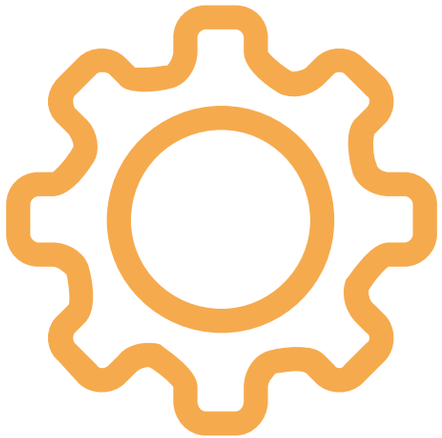
Focus

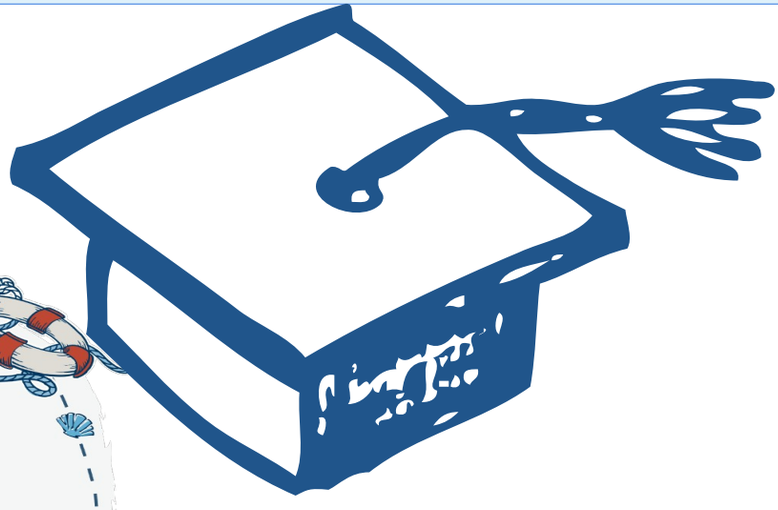
Classroom Discipline

01 Please sit down and keep quiet in class.

02 Please raise your hand if you have any questions.

03 Please observe carefully when the pictures are played.





Tyrannosaurus

02

Course Goals

Thinkidea

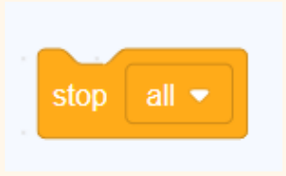
1. Learning goals
2. Project Discussion
3. Logic Programming
4. Have a try
5. Consolidate and extend

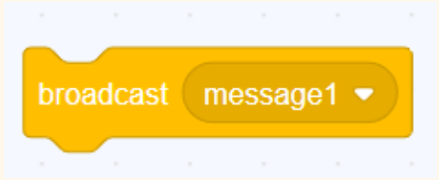
1

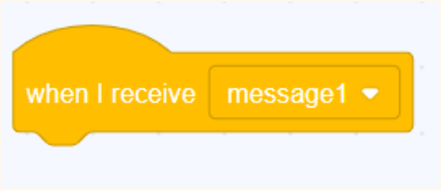
1. Build a dinosaur park and program the dinosaur robot to sing while it walks.
2. Consolidate modules such as “**repeat**” 、 “**broadcast message**” “**receive message**” 、 “**Parallel Program Chain**”.
3. Learn new modules such as “**Make a Block**” 、 “**gamut**”.
4. Comprehensively apply the learned modules to complete programming projects and expand.

1

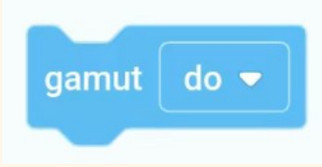
Consolidate modules:

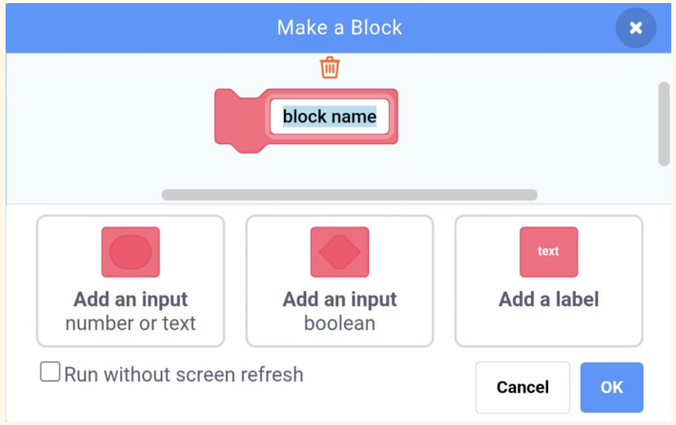




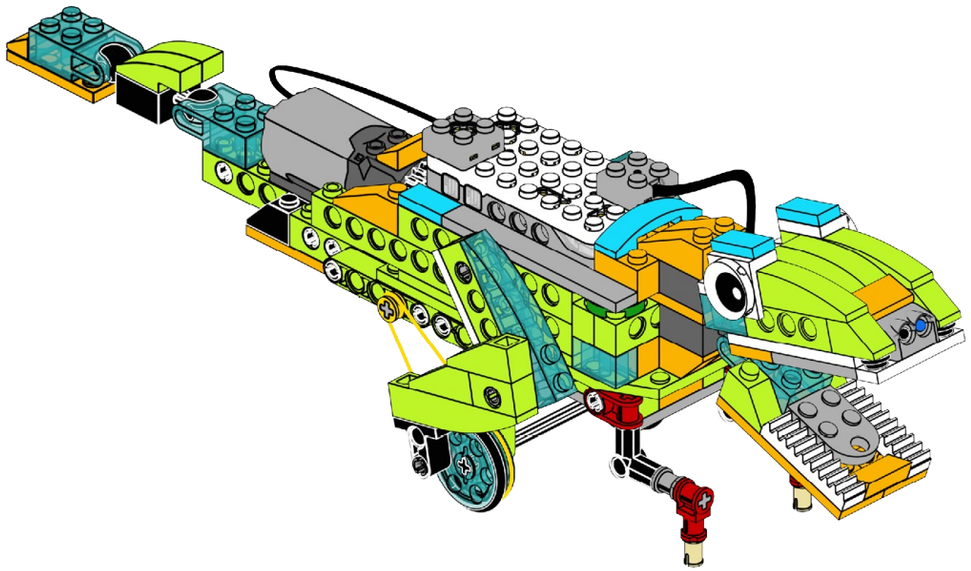


New modules:





2



Project Discussion

1.Make the Tyrannosaurus sing “Little Star” .

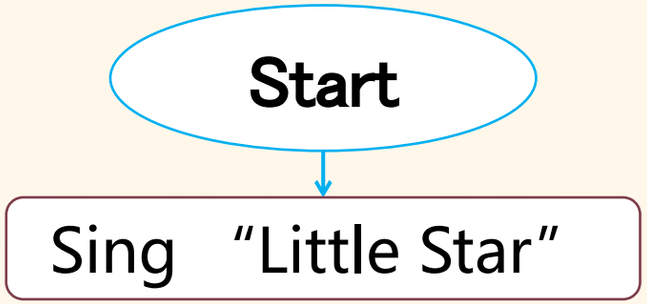
2.Move forward.

3.Show different lights.

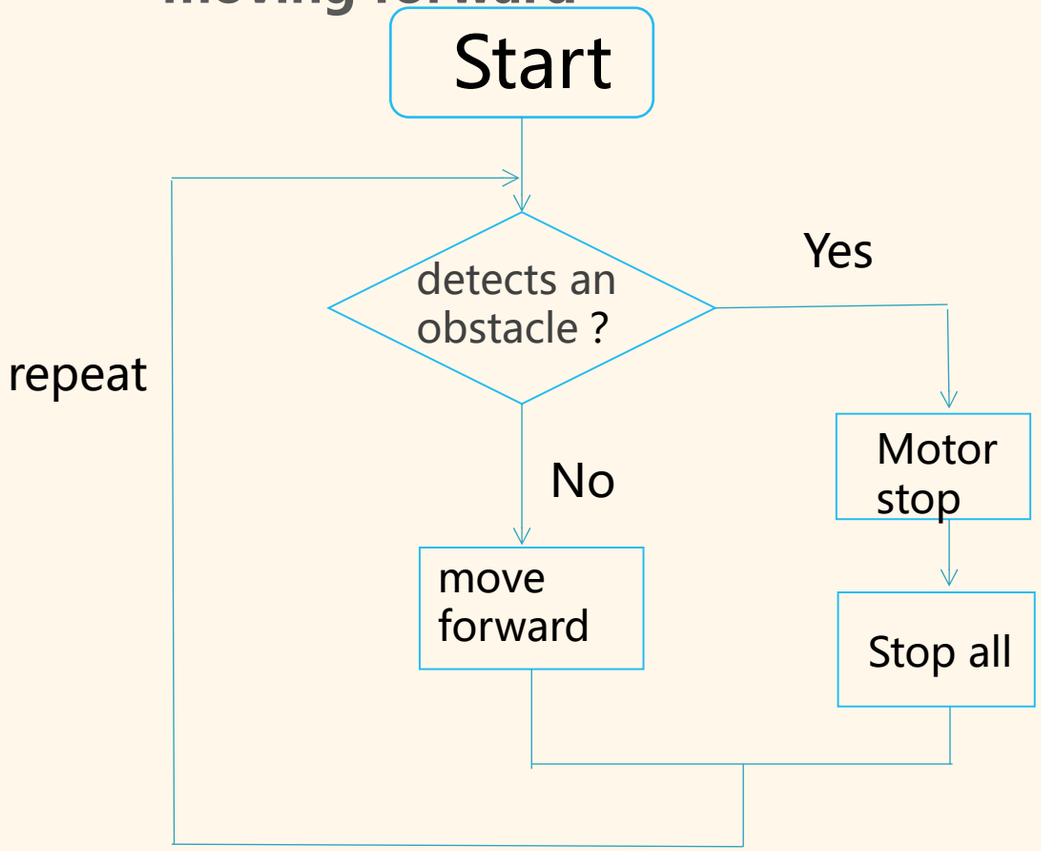
4.Stop when it detects an obstacle.

3

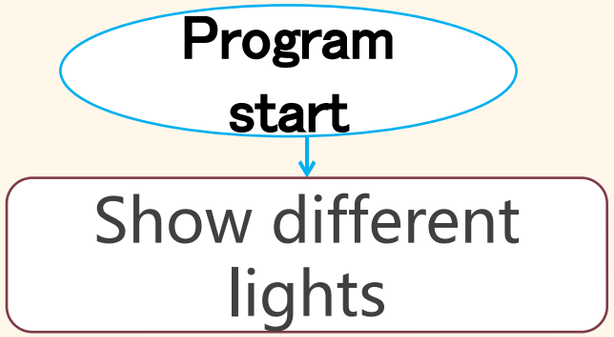
1.Programming logic for singing “Little Star”



2.Programming logic for moving forward



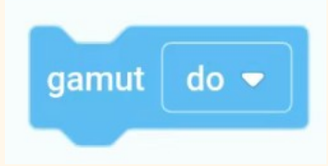
3.Programming logic for lights



2

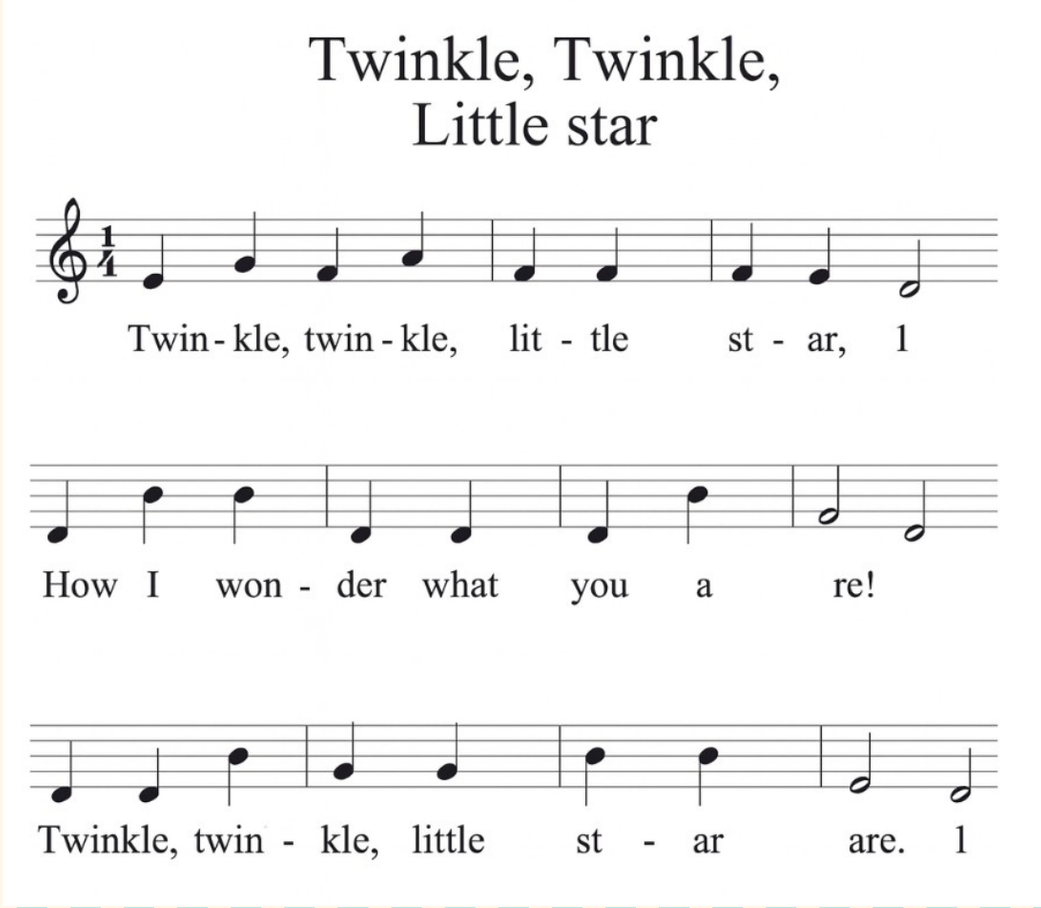
1.Make the Tyrannosaurus sing “Little Star”.

1.Learn new modules



It can generate different scales.

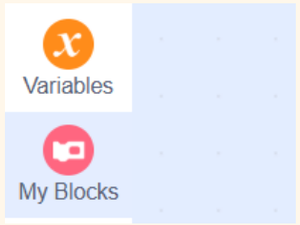
2.Learn to create a song using different musical scales.



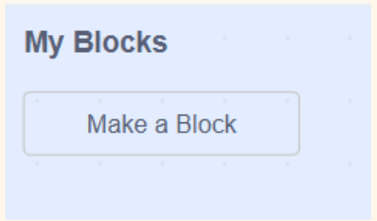
3

1.Learn to simplify programs

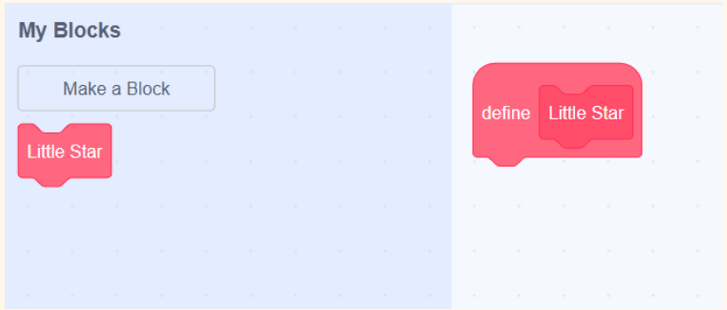
1.Learn new module “Make a Block”

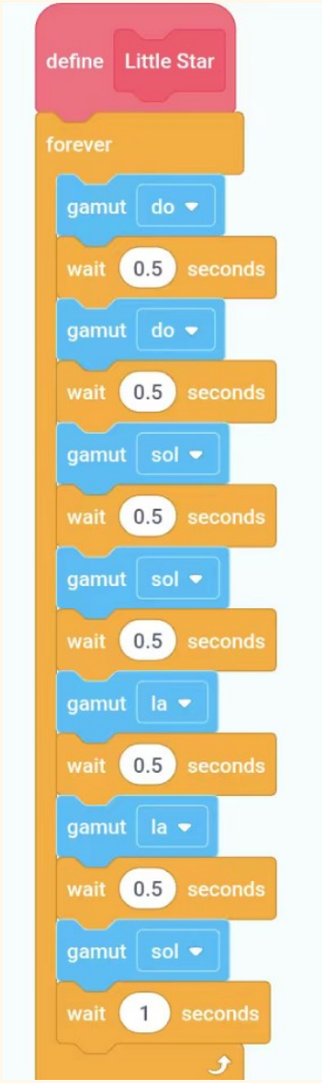


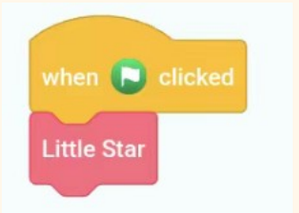
Make a Block



Enter the name of program



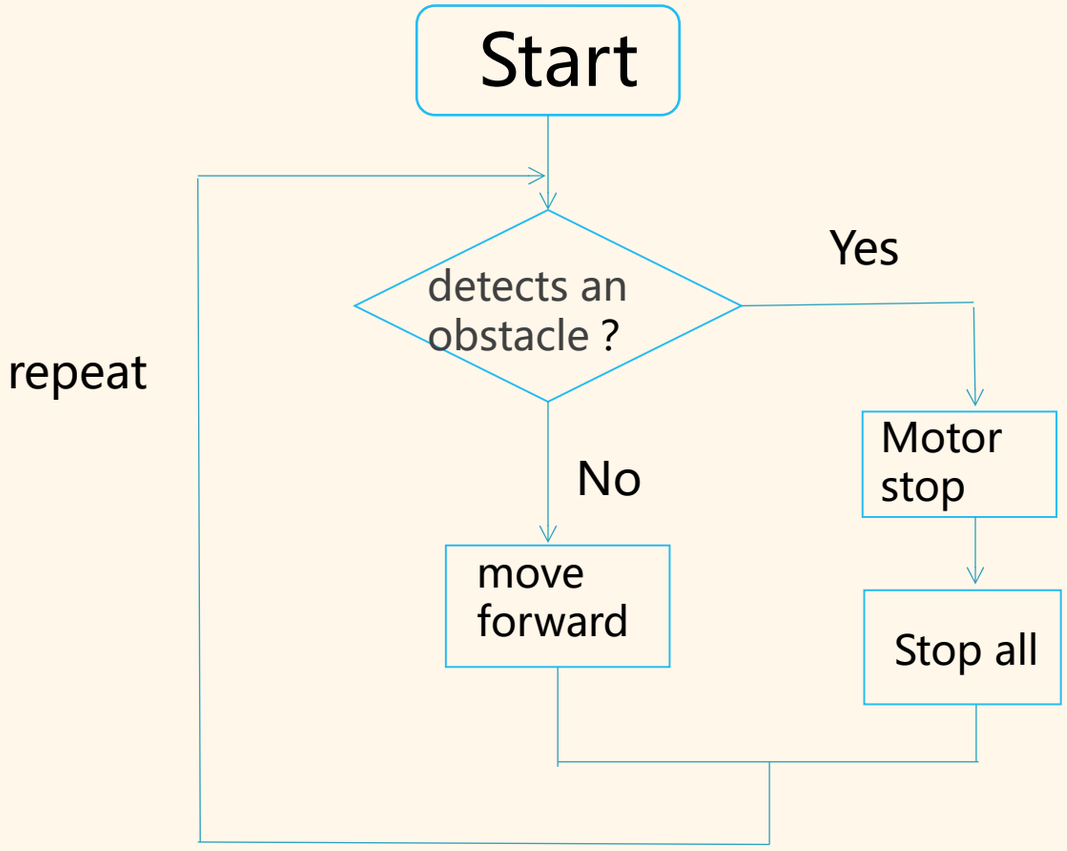


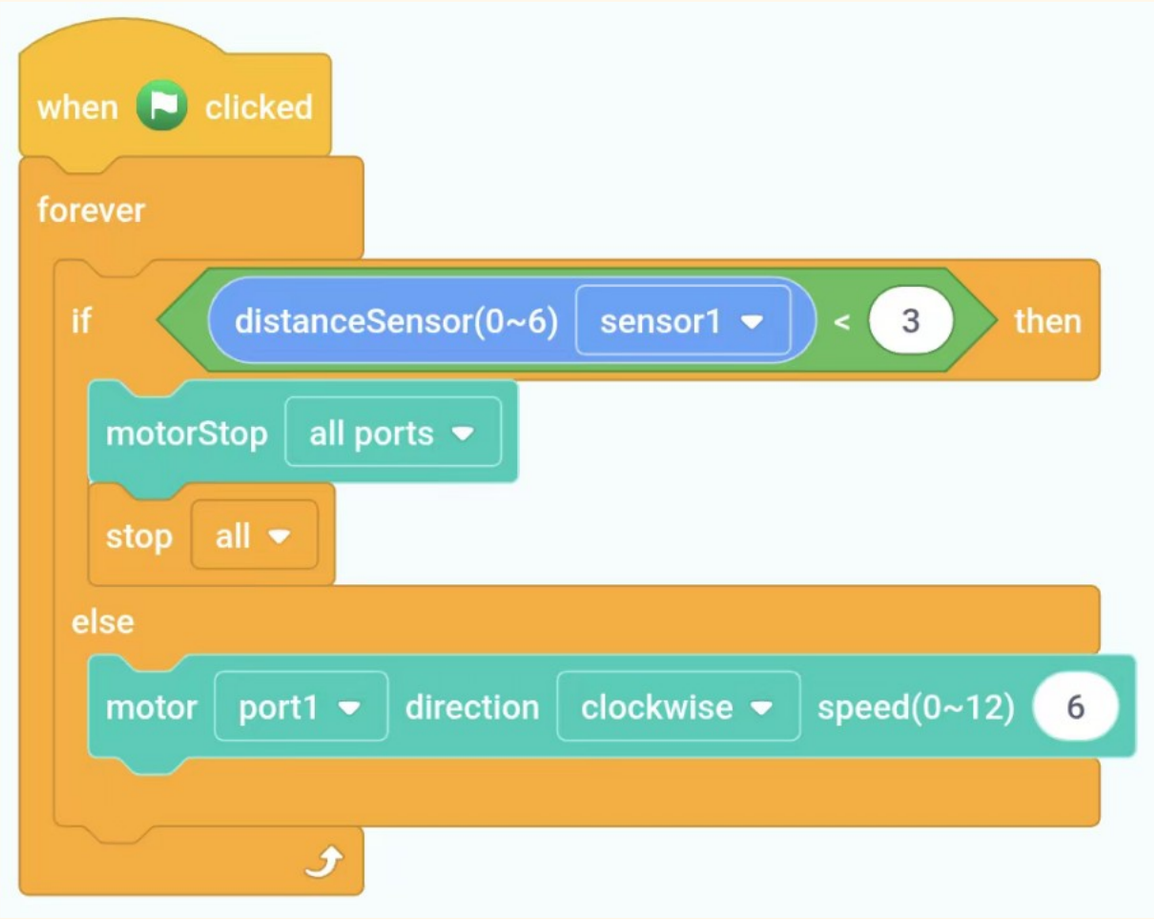


Have a try.

2.Tyrannosaurus programs

1.Use the mind map to guide your own programming.

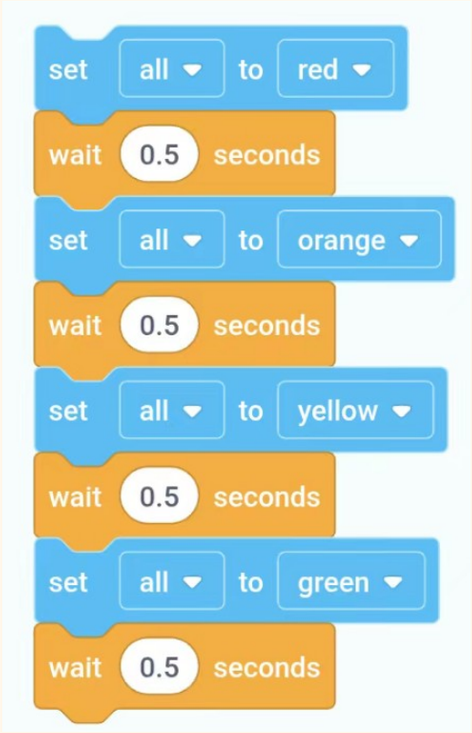




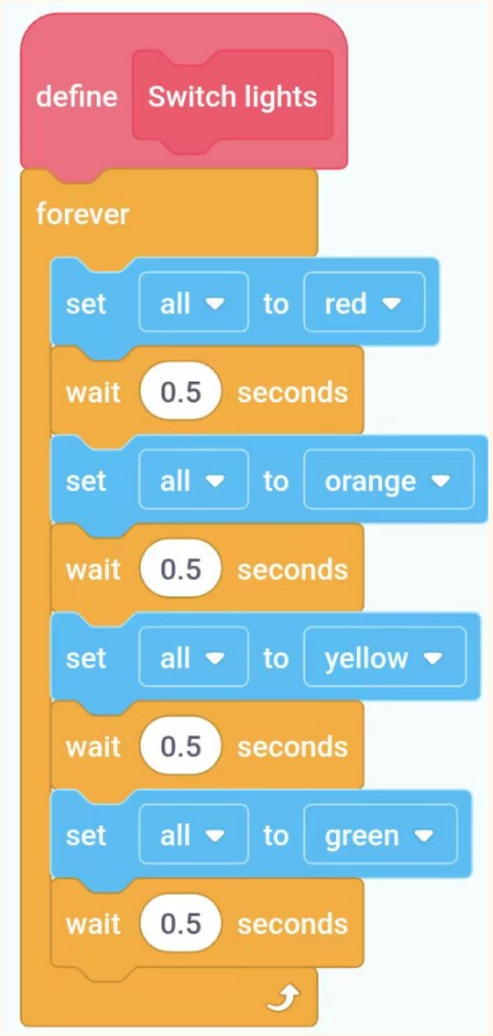
3

2.Show different lights

1.Switch the lights according to your preference!



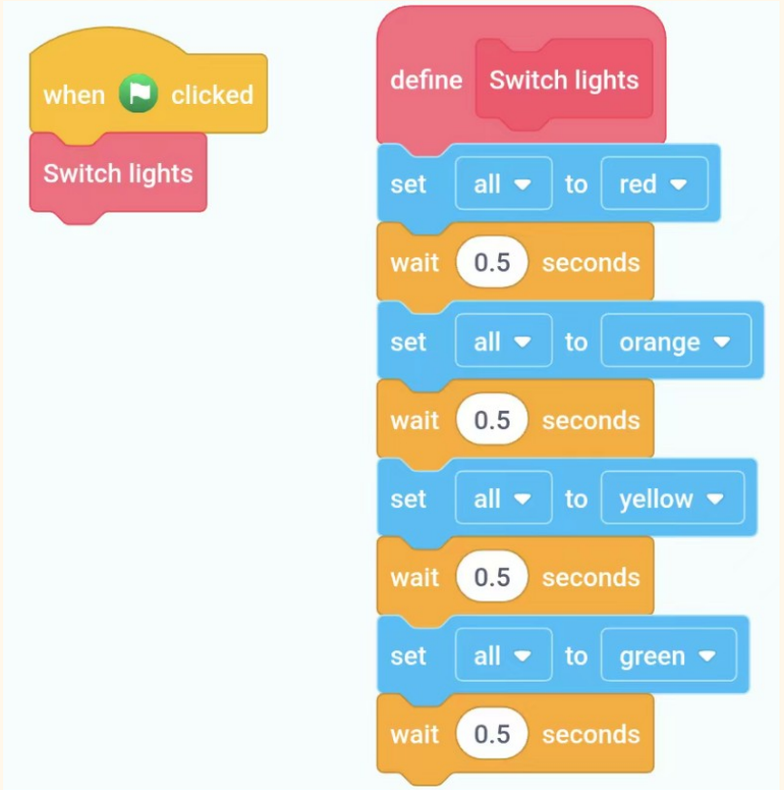
2.How do we simplify the program?



Consolidate and extend

Q & A

Q1 : Alex programmed the Tyrannosaurus's lights, but they only turn on once. Why is that?

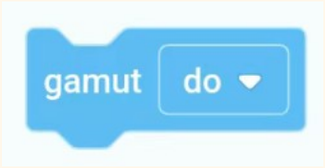


A1 : Because no loop module was added in the "Make a Block" program.

5

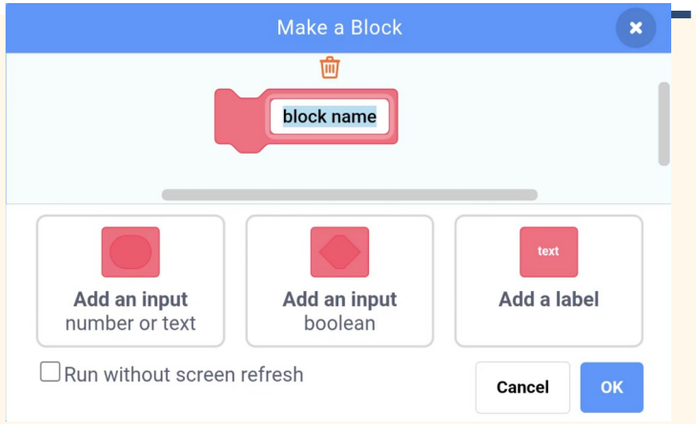
Knowledge Review

(1)



It can generate different scales.

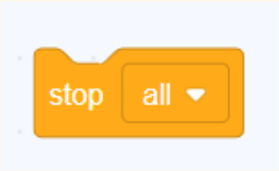
(2)



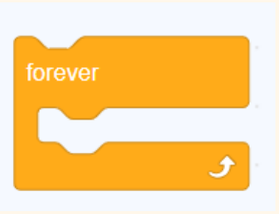
Make a Block

5

Knowledge Review

(3) 

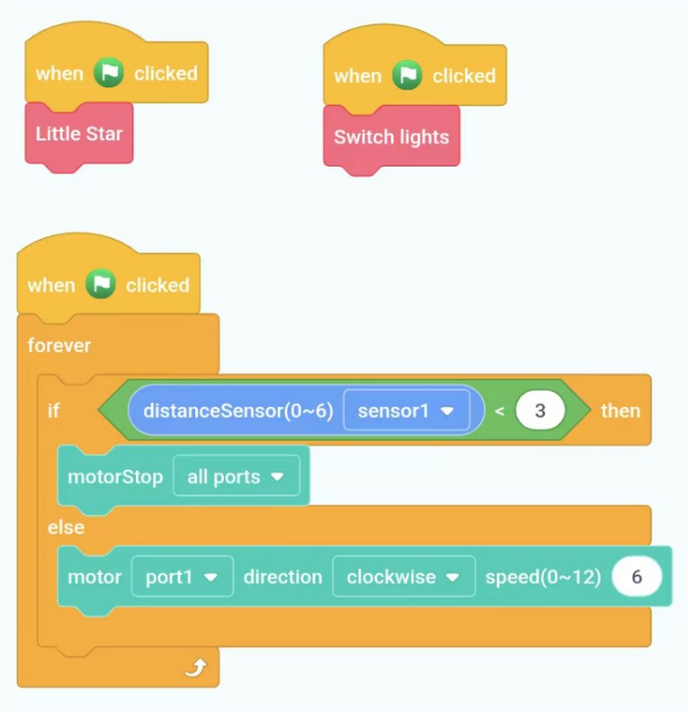
All scripts stop running.

(4) 

Keep repeating the script.

5

Alex programmed the Tyrannosaurus like this: when the Tyrannosaurus stops, the lights of the host controller and music keep running. Why is that?
( )



A The program is wrong.

B The time setting is too long.

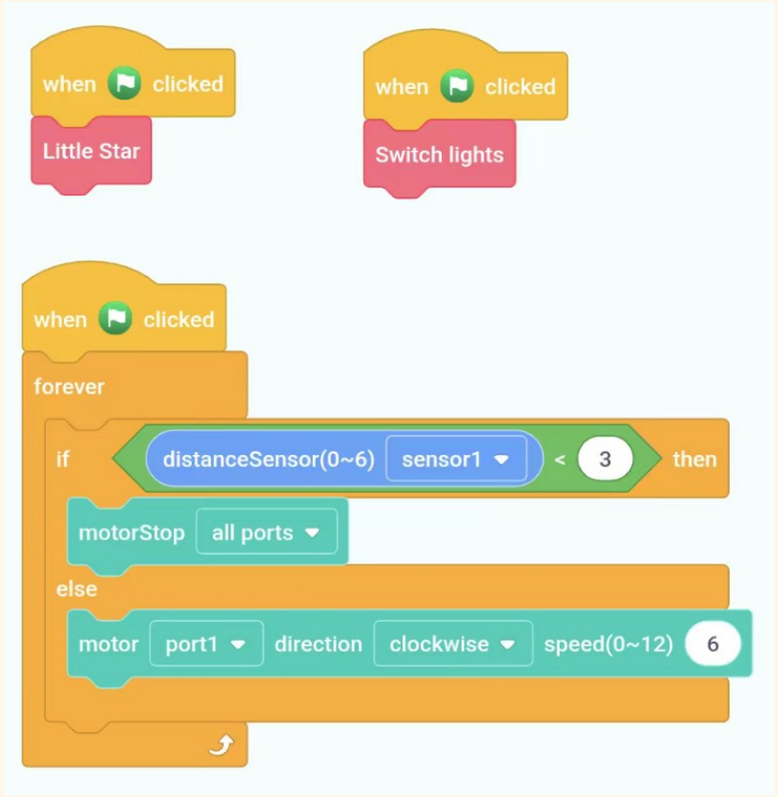
C A loop was added in the variable program.

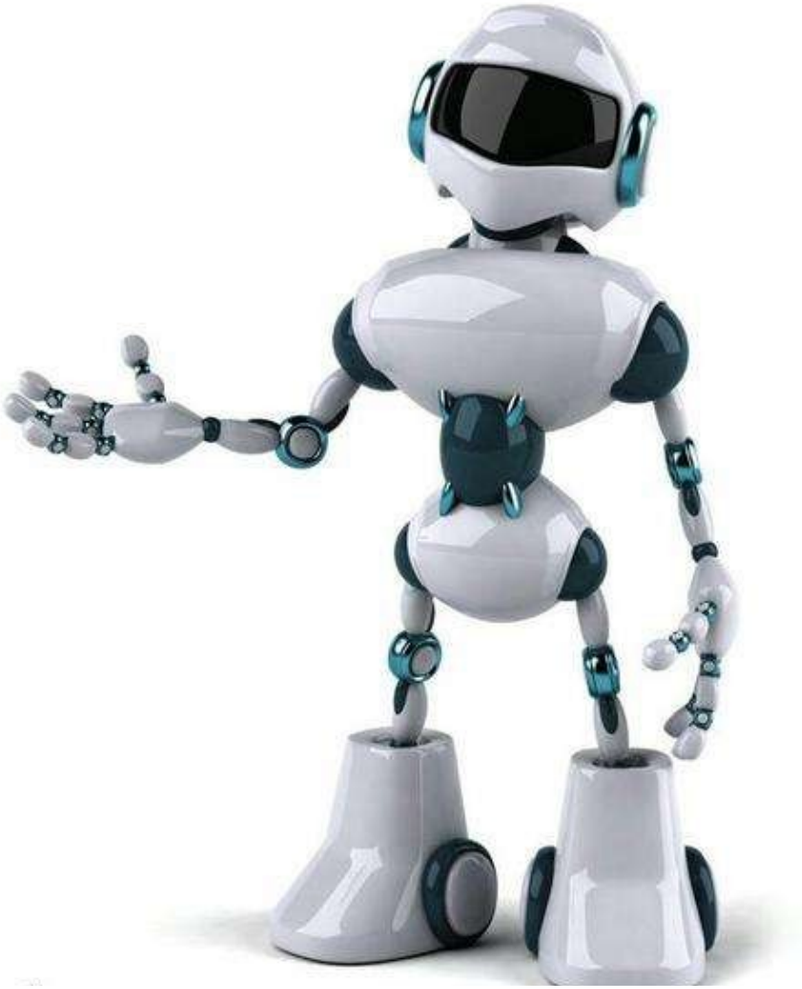
D The "stop all" command wasn't added after the "motor stop".

5

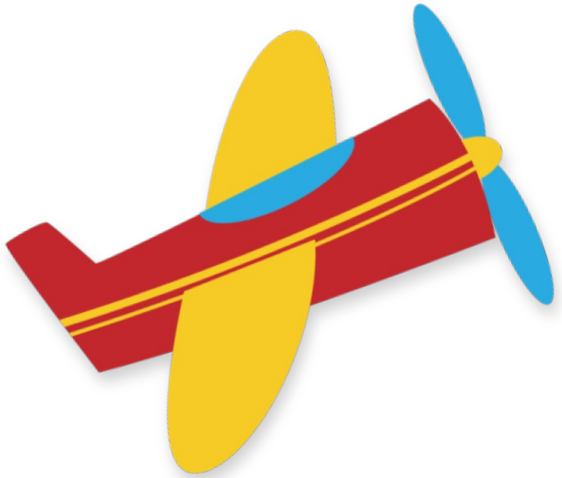
Answer : **D**

Analysis : **Because the “stop all” command wasn't added after the “motor stop”.**





Talk



THANKS