



ROBTHINK

Build, Code and Play with Robots



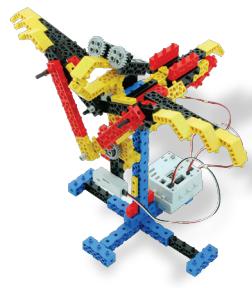
Robotics Program Introduction





Robotics Program

Program Overview & Academic Benefits



Welcome to the exciting world of robotics and coding! In our open and dynamic learning environment, students design and build robotics using our proprietary step-by-step robotics curriculum and robotics kit. Students learn how to use gears, axles, motors, sensors and boards to make robots of all shapes, sizes and functions!

Check out some of the educational, developmental and social benefits to the RoboThink Robotics Program!

1

Critical Thinking, Visual Spatial, Problem Solving & Fine Motor Skills Development

2

Organizational, Teamwork, Cooperation and Communication Skills

3

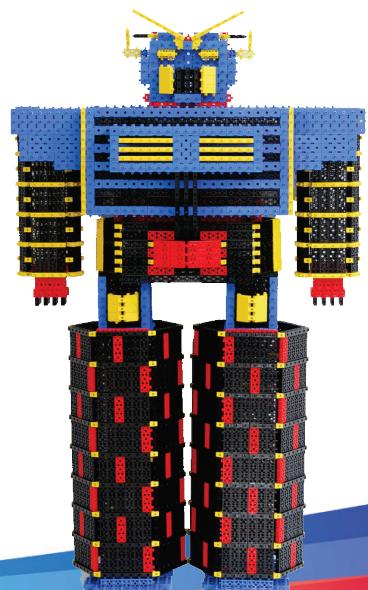
Engages visual, auditory and kinesthetic learning

4

Nurtures process-oriented thinking & abstract thought.

5

Completing lessons develops goal-oriented persistence.



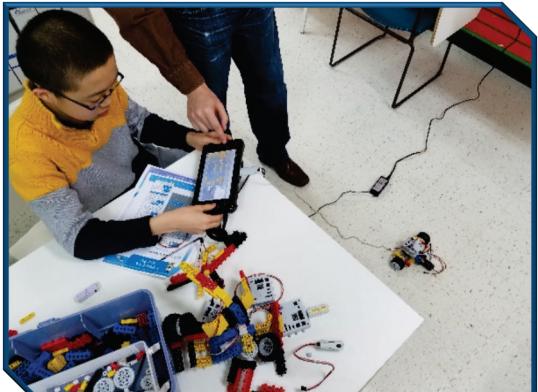


Robotics Program

Program Curriculum

In every lesson, students are introduced to new concepts and build robots that applies those concepts. Check out the general breakdown of our curriculum below!

- 1 Introduction to robotics blocks, basic design & structures.
- 2 Introduction to gears, axles and motors. Make moving robots!
- 3 Introduction to electronics. Use the board to make robots come to life!
- 4 Introduction to sensors. Use sensors to make robots respond to your environment!
- 5 (Optional) Introduction to coding. Learn how to code by building robots!

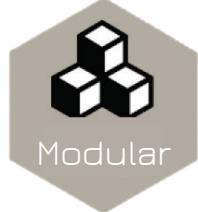
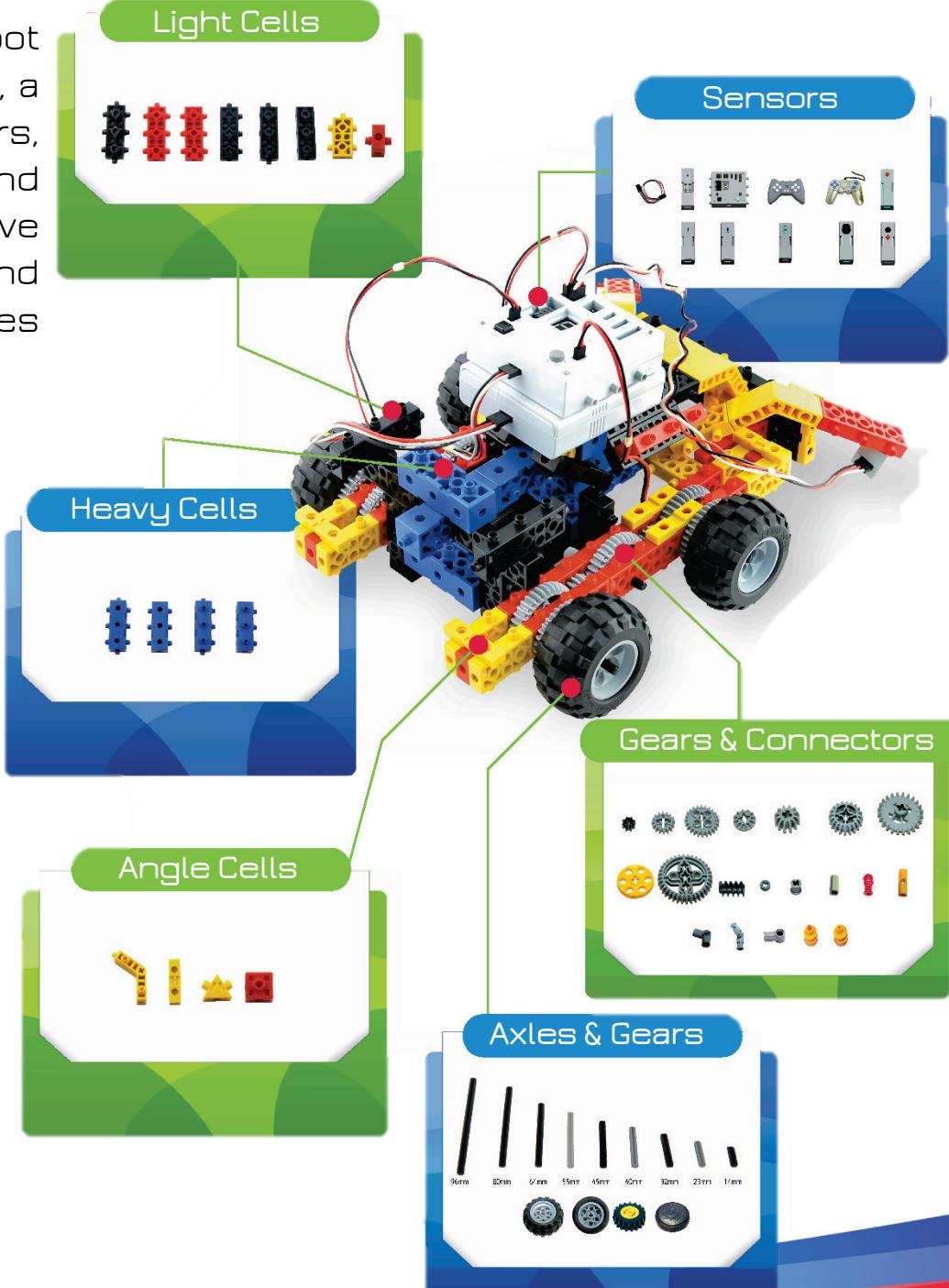




Robotics Program

How It Works

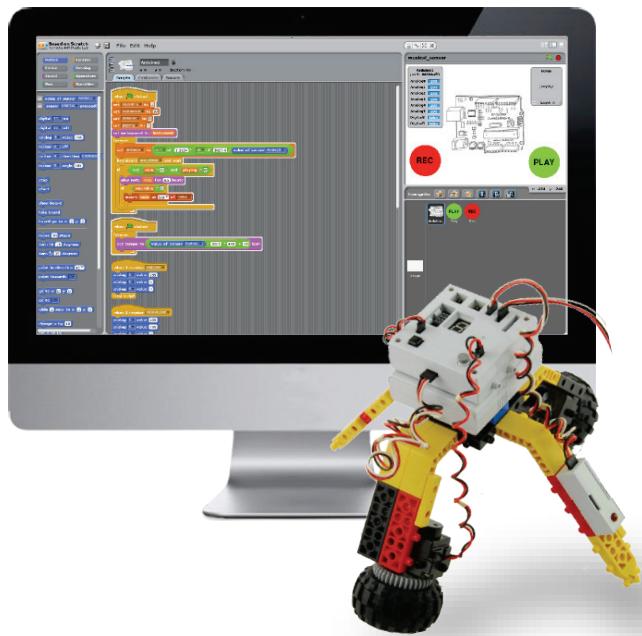
This vehicle robot uses an IR sensor, a mainboard, motors, gears, wheels and blocks to move around and respond to terrain changes on its own.





Why RoboThink?

RoboThink + Scratch



RoboThink utilizes a easy to use coding platform that allows students of all ages to begin learning how to code.

Line code is represented by puzzle shaped pieces and allows students to learn the principles of coding easily and quickly.

Students are then encouraged to build and code their own robot creations!

The RoboThink Coding Program is unique in that we are able to combine robotics and coding into a fun and unified learning experience.



SCRATCH