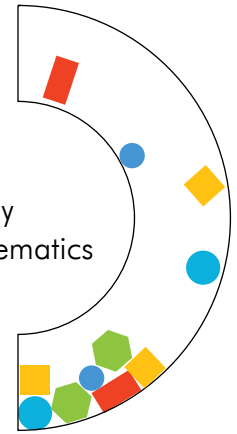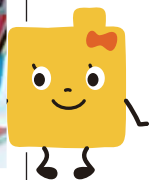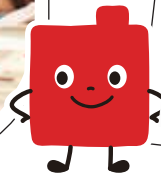# Wow!ARTec

S.T.E.A.M

Science . Technology
Engineering . Arts . Mathematics

Education

Creating new learning experiences to spark wonder and curiosity in children!

Robotics + Coding + Art

Children's natural curiosity is fostered in this curriculum that combines the learning of Robotics and Coding with Art through engaging, hands-on activities that build digital competencies and boost creative confidence.

The course includes numerous activities for hands-on experimentation and exploration, allowing children to learn and grow through play.

Children will participate in Build and Code activities designed to spark their interest in early Science and Engineering while also helping them develop their digital skills. In addition, they will use their imagination and experiment with a variety of materials and techniques to create works of art.
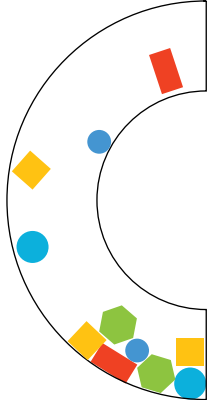
Critical Core Skills

Develop inventive and critical thinking skills and promote problem solving abilities through building and coding robots

Creative Expressions

Nurture creative expressions through the learning of different art techniques and exploration of varieties of materials, mediums and tools

Logical Thinking Skill

Promote logical thinking capabilities through coding challenges

Kind words from our parents:

Compared to other art lessons, which were mainly drawing and colouring, my child (and her older sister) found the hands-on lessons with clay and transparency sheets much more interesting. Looking forward to more captivating kids' lessons!
- Mother of 2 young children

Very Satisfied with the lessons and the way it has helped my child express himself.
- Parents of Maximilian & Alessandro

My child is excited about doing the many building blocks related activities. Even I enjoyed it too
- Japanese mother of 6 yrs.old girl

The lessons are well-planned and improved children's creativity and art skills
- Parent of Kasendra

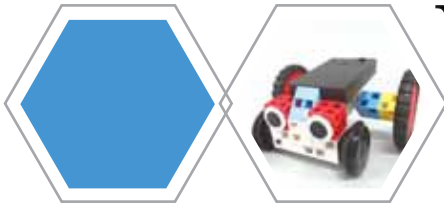Partnering National Arts Council for the Art Education Programme

This innovative integrated STEAM program was developed through close collaboration between ARTec Programming School, Japan's top programming school for children, and Wow ART Learning, a leading provider of creative art curricula for children.

OUR SG ARTS PLAN 2018-2022

Five reasons to pick Japan's top programming school

#1 Parent's Choice
#1 Visible Academic Improvement
#1 Motivated Learning
#1 Improved Study Habits
#1 Teacher's Choice

* Based on a General Research survey.

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WOW Learning

ArTec 自考力キッズ
Innovator Academy Early Years

Wow!ARTec
S.T.E.A.M

Early Years Programme (5-7 y.o.)
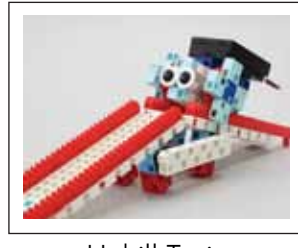
Module 1 (6 months)

Discover with 3 engineering concepts, 4 codings of different transportation movements, and 4 different art techniques to create a jungle-scape.
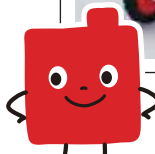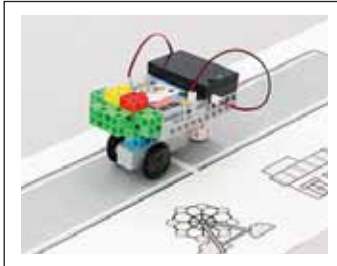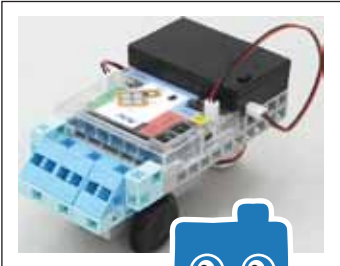
Bikeybot

Plane Launcher
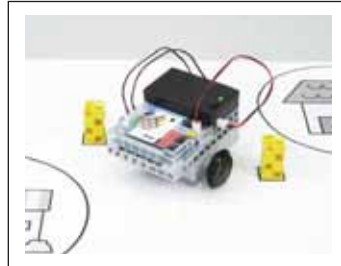
Uphill Train

Jungle Scape Explorer

Robotics

Children will construct a variety of vehicles, while discovering the many engineering ideas behind the mechanisms that allow them to move. Moreover, they will construct a Plane Launcher and study the usage of a lever to control its directional movement.

Get your car moving

Make your car self drive

Make your car turn

Get your car to draw

Coding

Children will learn to code the robots to move in a variety of ways, including forward and backward motion, waiting, varying speeds, and turns.

Jungle Scape
Installation Art

Children will engage in Paper Collaging, Mixed Media Art, Oil Pastels Rendering and Clay Modelling techniques to create this three-dimensional jungle trail using a range of different textural surfaces.
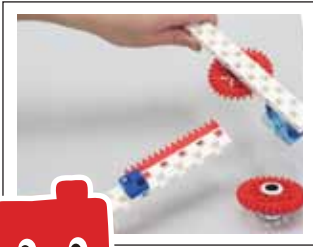
Early Years Programme (5-7 y.o.)

Module 2 (6 months)

Learning mechanical principles by building simple tools and coding sound, lights, and movements, as well as broadening aesthetic knowledge.
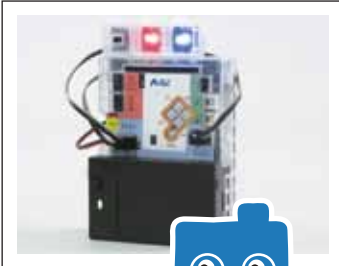

Top Spinner

Swing Launcher

Block Grabber

Hockey Lever

Fishing Rod

Robotics

Children will construct their own mechanical tools and explore the engineering principles underlying them by using gears, linkages, pulleys and levers.
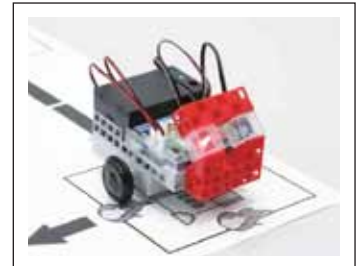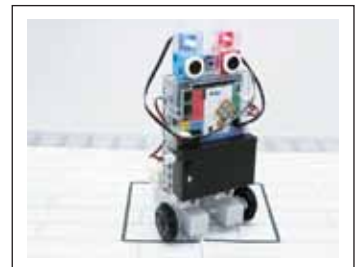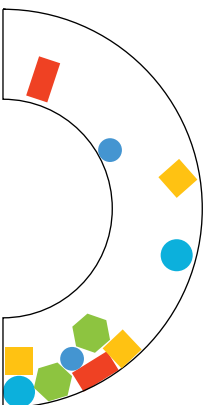
Controlling lights & sound

My Jukebox

Traffic Lights

Fire Truck

Dancing Robot

Coding

Children will learn to code robots to play familiar melodies and dancing lights as well as coordinate movements.

Magical Aquarium

Installation Art

Children shall enjoy different art techniques like Clay Modeling, Oil Pastels Rendering and Paper Cutting to construct an aquarium filled with fishes, sea creatures, corals and aquatic plants
The aquarium will sparkle through the programming of LED lights and popular tunes to enliven it.