

ROBOTICS & AUTOMATED SYSTEMS

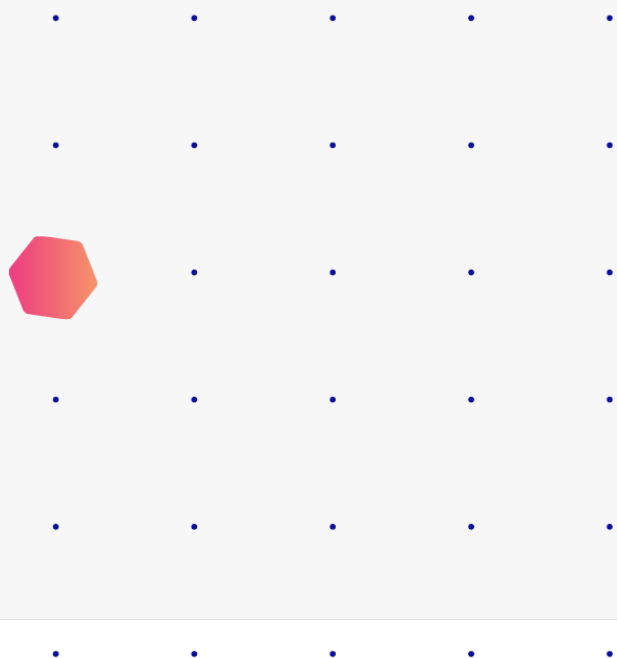
DIRECT FROM THE INDUSTRY

Middle School (6th to 8th
Grade) & High School
students



ENGAGING FOR STUDENTS

Students build their own bio-inspired Hexapod robot that is exciting and quickly grabs their attention. The lessons are designed to allow students to work in teams, be driven by curiosity and challenge what's possible.



ALL-IN-ONE PROGRAM

Everything a student, teacher and school needs to be successful is included: training, software and hardware for the robot, curriculum, support and access to the program's platform - STEMI Lab - virtual classroom with all above mentioned materials in one place.

SUPPORT FOR TEACHERS

Program includes intensive training and continued support for teachers. The training is delivered through an online platform covering instruction techniques of project-based learning and specific areas of content knowledge within the curriculum.



COVERING TECH SKILLS AND SOFT SKILLS

Students will be immersed in projects where they will gain important technical skills such as 3D modelling in OnShape, mobile app development in MIT App Inventor and coding in Arduino. The program is also focused on developing crucial 21st century skills such as critical thinking and problem solving, creativity, communication, innovation and collaboration.



CURRICULUM DELIVERED AND ACCESSED ONLINE

All in one curriculum on one platform
- STEMI Lab - innovative virtual
classroom. Curriculum includes
teacher guides, courseware, e-
books, student handouts and
templates, assessment and grading
rubrics.

WHAT IS INCLUDED



HOLISTIC APPROACH TO ENGINEERING

Seven modular units covering the
following technical skills: 3D
modelling, coding, mobile app
development and writing engineering
requirements documents.



REUSABLE ROBOTICS KIT

100% reusable Hexapod robotics kits. Each program includes a set of: 10 student's Hexapods, and 1 instructor's Hexapod with spare parts. Also, a number of Hexapods can be customised to your classroom needs.

WHAT IS INCLUDED



TEACHER TRAINING AND SUPPORT

Training includes project-based learning methods, technical knowledge and technical skills, which is delivered online. Support is provided on the Slack platform, via a 24/7 open channel for communication, with the main goal of seamless implementation and overall success in the classroom.