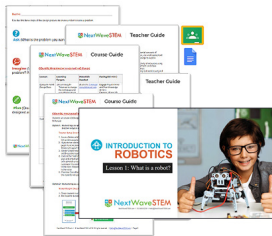


EASY-TO-IMPLEMENT STEM PROGRAMS

Featuring emerging technologies: robots, drones, artificial intelligence, and 3D modeling and printing

STANDARDS-ALIGNED K-12 CURRICULUM

Our STEM curriculum is aligned to standards that include the NGSS Grade Band Engineering Technology Standards, Common Core Math and ELA as they relate to the NGSS ETS standards, and ISTE, CSTA and 21st Century Skills standards related to emerging technologies and STEM.

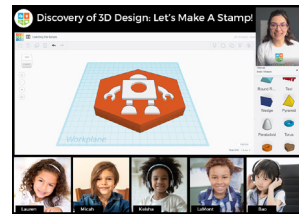


EDUCATOR TRAINING & PROFESSIONAL DEVELOPMENT

We love helping educators master the facilitation of STEM education whether they have experience or not. We offer training on our curriculum, how to use emerging technology equipment and best practices for instructional strategies. We also offer [free PD](#) on relevant topics for today's educational needs.

LIVE ONLINE CLASSES

Our instructors are pros at engaging and interacting with students remotely. Based in the United States, all of our instructors are certified in the content areas that they teach such as robotics, 3D technology, drones and artificial intelligence. Software can be downloaded for free, and hands-on equipment may be purchased directly through NextWave STEM.



PROGRAM COURSES

	K-2 Early Learners	3-5 Beginner	6-8 Intermediate	9-12 Advanced
Robots & Artificial Intelligence	Introduction to Robots: What is a Robot?	Discovery of Robotics: Coding mBot	Exploration of Robotics: Coding mBot for a Purpose	Advanced Machine Learning and Artificial Intelligence
Drones & Coding	Introduction to Drones: Take Flight!	Discovery of Drones: Unmanned Aviation	Exploration of Drones: Coding With Tello	Creation and Evaluation of Drones: Coding with Tello
3D Technology		Discovery of 3D Design: Using Tinkercad	Exploration of 3D Development: Using Tinkercad	Creation and Evaluation of 3D Technology for the Real World



ANSWERING THE WHO, WHAT, WHERE, WHY & HOW

WHO WE SERVE

- K-12 Classroom Educators
- After-school and Summer Programs
- Libraries and Makerspaces
- Clubs and Youth Groups



WHERE IT CAN BE USED

- Hybrid Classrooms
- Distance/Virtual Learning
- After-school Enrichment
- Elementary, Middle & High School

WHAT SETS US APART

- Adaptable programs to meet your needs for remote, in-person or hybrid learning
- Authentic support from educators and curriculum developers
- Dynamic digital and printable curricula
- Reusable equipment kits
- Variety of course levels using emerging technologies, such as drones, robots and 3D printers

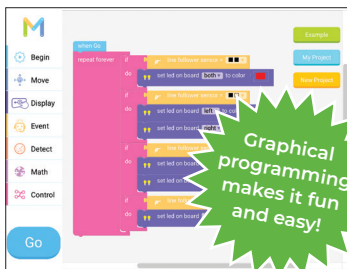
“Early exposure to STEM has a positive impact across the entire spectrum of learning.”

- NATIONAL RESEARCH COUNCIL

WHY IS IT GOOD FOR EDUCATION?

Schools that work with us report:

- Improved student attendance
- Increased student engagement and interest in STEM
- Increase teacher confidence in teaching STEM and emerging technologies



Graphical programming makes it fun and easy!



Game programming and simulator interface.

HOW TO FOSTER LIFE-LONG LEARNERS & ACHIEVERS

Using a “discovery” model and project-based learning, students are encouraged to learn, do and redo! Students design and redesign to come up with the best solution. They learn how to apply their learnings in the real world.

Our three pillars of learning

Increase Knowledge
 Science
 Technology
 Engineering
 Math

Achieve Tasks
 Build
 Code
 Create
 Play

Foster 21st Century Skills
 Critical thinking
 Collaboration
 Communication
 Creativity