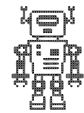


BAUN STEM ROBOTIC EDUCATION LABORATORIES



S **SCIENCE**

T **TECHNOLOGY**

E **ENGINEERING**

M **MATHEMATICS**

BY: BAUN SKILLS CONSULT LTD

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WHAT IS STEM EDUCATION?



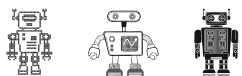
STEM stands for **S**cience, **T**echnology, **E**ngineering and **M**athematics.

STEM education is the integration of this four disciplines into the curriculum with a commitment to hands-on and collaborative learning.

STEM education is critical thinking and problem solving.

“The first five years have so much to do with how the next 80 turns out”

- Bill Gates, Co-Founder, Microsoft, American Business Magnate





INTRODUCTION



STEM education—is apparent in our day to day experiences and vital to our future—the future of our children, and the future of our country and it is all over our lives.

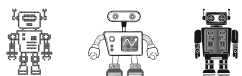
STEM education is about technology, coding and robotics. STEM education offers useful interdisciplinary and gender neutral skills. In the 21st century, learning to program computers is one of the most valuable skills we can teach our young children, no matter what career they choose.

Children who receive STEM education are prepared to face real life problems with creativity and critical thinking. With growing need for STEM Education, around the world, schools and institutions are utilising Robotics to deliver STEM Education. With Robotics, learning opportunities are endless, students are not limited in scope, but are allowed and encouraged to become creative innovators, eager for more. Schools and academic institutions are seeking learning and improved methods to engage students,

STEM Robotics provides creative and meaningful way for students to enjoy the learning process while inspiring them to pursue higher education in the STEM Fields.

ROBOTICS is adjudged as most efficient way to deliver STEM EDUCATION, as children learn best, by tinkering. As technology becomes increasingly important in today's world, there is a growing need to inculcate scientific thinking among students from a young age.

Tomorrow's world, in which our children will live, will no longer be for technology consumers but creators of technology. In today's world, Schools without STEM ROBOTIC EDUCATION cannot be said to be current and are denying students a place in the 21st century.





Children trained in STEM with Robotics are:

- Self-thinkers who can work with minimal guidance
- Self-motivated workers who assume independence for their own learning
- Resourceful children who can work with a given set of tools to create technology
- Active life-time learners as they learn to make connections between cause and effect
- Team workers who can collaborate successfully with others.

Our STEM Robotic Laboratories

1. Einstein Laboratory Package - fitted with: Robotis Dream Kits, Robotis STEM Range Kits, STEM Learning Models
2. Newton Laboratory Package - fitted with: Goma Brain Robot Kits, MRT3 Robot Kits, MRT5-2 Robot Kits, STEM Learning Models
3. Edison Laboratory Package - fitted with: Edison Educational Robots, STEM Learning Models
4. Bell Laboratory Package - fitted with: Sparki Educational Robots and STEM Learning Models

Our STEM Robotic Laboratories come with backdrops and posters.

