

Ec stem

We think like a scientist.

Solve problems like an engineer.

像科学家一样思考，像工程师一样解决问题.

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2026

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Our Vision

Spark every child's inventiveness to bring ideas to life

我们的使命

激发每个孩子的创造力，让想法成为现实

Our Mission

Facilitate innovation-based learning where children design, prototype, and test

我们的愿景

促进基于创新的学习，让孩子们进行设计、制作原型并测试

Our Core Values

-  Fix-it mindset
-  Applied Innovation
-  Conscientious Making

我们的核心价值观

这些价值观共同促进动手、负责任且以结果为导向的学习，学习者坚持不懈地解决真实问题、制作原型并应用创新，同时考虑伦理和可持续的后果。

Our Programmes

At EC STEM, we introduce Science, Technology, Engineering and Mathematics through structured yet engaging hands-on learning experiences designed for young children. Our programme emphasises problem-solving, conceptual understanding, design thinking, building, and testing, enabling children to develop confidence, critical thinking, and a strong foundation in STEM.

Nursery 2 – Early Explorers

Children are presented with simple, real-life building challenges and guided to explore how structures are formed using interlocking blocks. Through hands-on problem-solving, they develop fine motor skills, spatial awareness, and curiosity, laying a strong foundation for STEM learning through exploration and discovery.

Kindergarten 1 – Curious Creators

Children are introduced to age-appropriate, real-world problems and learn to design and construct solutions using simple tools such as screws and connectors. This stage strengthens coordination, precision, and early engineering thinking, while creativity and collaboration are nurtured through both guided and open-ended challenges.

Kindergarten 2 – Super Solvers

Children are presented with increasingly complex problems and encouraged to design, build, test, and improve their solutions using gears, mechanisms, and moving systems. Each lesson introduces a new engineering concept, fostering critical thinking, resilience, and deeper engineering understanding.

Our Programmes



Nursery 2 – Early Explorers

Children use blocks to create ball-relay tracks, discovering how balls move while learning about the sport of ball-relay. This hands-on play builds fine motor skills, curiosity, and early problem-solving.

Kindergarten 1 – Curious Creators

Children explore the structure of a racing car and learn how to use screws to assemble it. They build, test, and modify their own cars, sharpening problem-solving, critical thinking, and hands-on engineering skills.



Kindergarten 2 – Super Solvers

Children discover how a drummer moves and learn about the cam structure. They build, test, and modify their own models, sharpening problem-solving, critical thinking, and hands-on engineering skills.

Meet Robo



Your unique learning companion
EC STEM has our very own in-house Robo companion. Our Robos complement the lesson through hands-on exploration of AI & robotics while promoting interactive learning. Connecting AI to the real world...
Robo interacts with children through meaningful conversations.

Bringing learning to new heights

- **Hands-on exploration**
- **Linking coding/AI to the real world**
- **Collaborative problem solving**
- **Ties in closely with every lesson to enhance the learning**

Increase engagement & attention span

- **Increases curiosity in our little inventors**
- **Increase engagement to keep our little inventors focused on the task and lessons**



Why choose us?

Partnering with us gives children a professional, engaging STEM experience that inspires curiosity, creativity, and confident learners.

Holistic Curriculum

- Lesson plans are aligned with the NEL Framework, MOE.
- Intentionally curated and adapted according to the framework, dispositions and principles.
- Safe, age & developmentally appropriate.

Increase Parents' Satisfaction

- EC STEM is a unique, future-focused program where parents witness their child's progress & improvements.
- Parents love visible, hands-on learning outcomes.
- High Satisfaction rate and value adding to their child's development.

Strong Centre Partnership

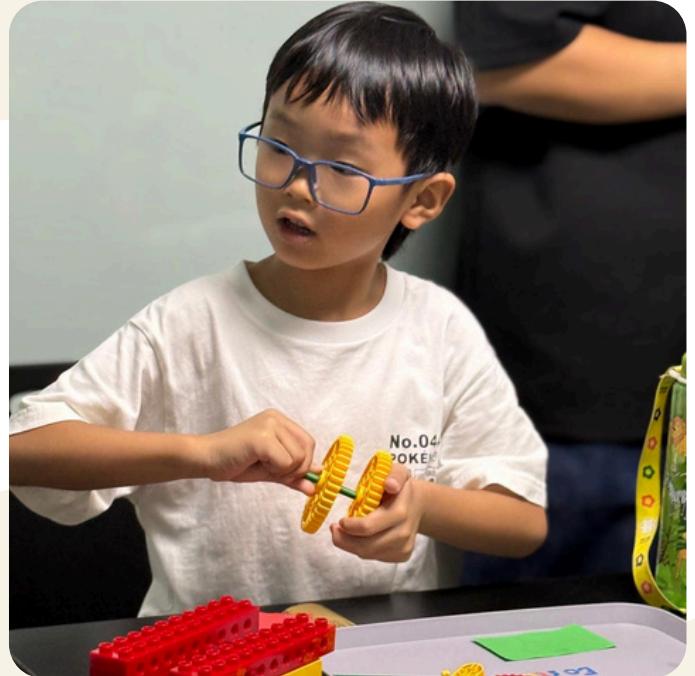
- Collaborate with learning centre to strive for quality, reputation, and parents' trust.
- Complement the learning centre events and open houses with our programs.
- Taking partnership to greater heights & opportunities.

Exclusive Robo Learning Experience

- First-ever EC STEM Enrichment to have a child-sized robot being integrated into the curriculum.
- Enhances the lessons and learning experience for the children.
- Communicate and engage with children.
- Learning companion & teaching assistant.

Our Trial Classes

Captured from our past trial classes, these moments show our children enjoying hands-on learning with classes conducted by our professionally trained teachers.



Contact us



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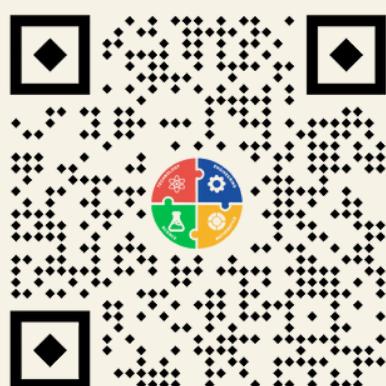
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