

Do you teach STEAM?
Is your child STEAM smart?

Make Science, Technology, Engineering, Art & Math (STEAM)
come to life with learning through play with LEGO®!

Think STEAM. Think TeachSTEAM™!

www.teachsteam.in

TeachSTEAM
LEGO® Program
for
Children
aged
4-9 yrs



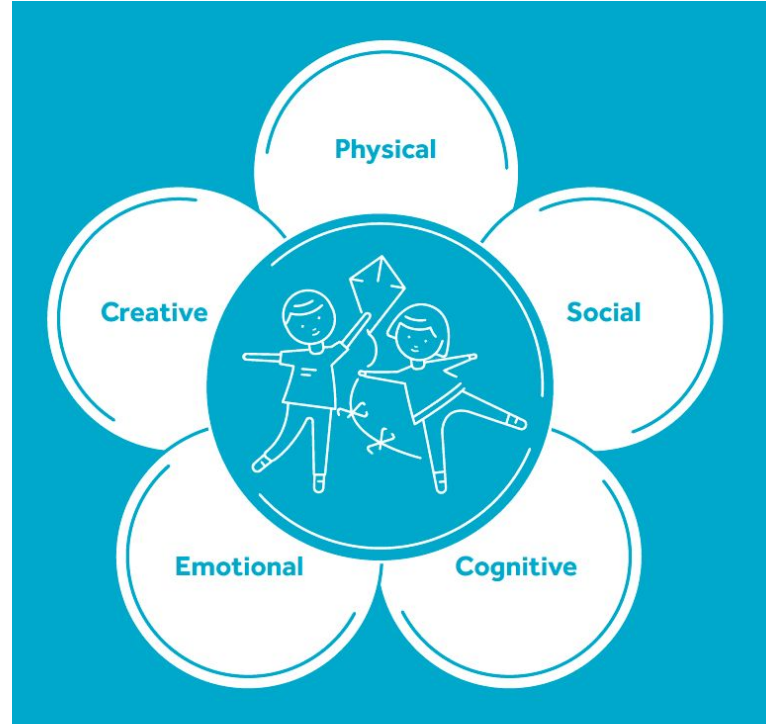
LEGO Education & Whole-child Development

LEGO® is not just a brick or a toy. With its ease of use, power to keep children engaged and with the right curricula and methods tailored to each child; it harnesses a child's full potential.

LEGO® Education is based on a hands-on learning approach that actively involves students in their own learning process, making learning fun and an adventure. 'LEGO' name comes from the Danish word 'leg godt' means to "play well."

Play is the essential ingredient in a child's growth and development. Research validates that children can develop 5 essential core learning areas & 21st century skills effectively using LEGO.

1. Creativity
2. Communication
3. Critical Thinking
4. Collaboration





What & Why TeachSTEAM ?

TeachSTEAM is a hands-on education organisation for K-8 (3-13 yrs children). We offer LEGO® inspired teaching solutions to schools & STEAM organisations to empower & nurture playful learning practices. We are inspired by the ***'learning through play'*** concept to teach Science, Technology, Engineering, Art and Math (STEAM) in an interactive, engaging and fun way.

Our hands-on education solutions include:

1. Content & Curriculum



2. Teachers' Training



3. Support



TeachSTEAM fosters holistic child development. While most hands-on programs focus on just STEM, TeachSTEAM brings in the importance of 'A' for Art, which injects a sense of play to spark students' imagination.

We use LEGO® bricks as a tool to develop various age appropriate skills like Creativity, Math, Language & Literacy, Social Emotional Skills, Math, Scientific Inquiry, Early Engineering, Coding & Robotics - STEM Skills.

Learning becomes fun when children explore, build & learn using LEGO & the STEAM approach!



TeachSTEAM LEGO Program



TeachSTEAM LEGO Program consists of 12 themes & 48 sessions designed to develop core skills for children aged 5-9 years.

Our integrated teaching package includes:

1. **64+** Detailed lesson plans
2. **60+** Step-by-step building guides
3. **12+** hrs of Teachers' training for the effective implementation.



TeachSTEAM LEGO Program

Children constantly explore the world around them – playing, experimenting and thinking like small scientists. TeachSTEAM workshops series are designed to stimulate children’s curiosity to explore & learn through play. The hands-on learning approach employed is proven to ensure the highest level of skill development in children aged 4-9 years.

TeachSTEAM LEGO Program

No.	Core Skill Focus	Series Name	Sessions	Details
1	Animal Science	LEGO Creatures	8	Jurassic World, Bug’s Life, Under the Ocean, Fantasy Creatures
2	World Around Us	LEGO Vehicle World	8	Space Adventure, Rescue Vehicles, Ocean Adventure, Futuristic Vehicles
3	Social Skills	Community Heroes	4	Feisty Fire Fighters, Marvellous Medics, Crime Catchers, Sanitary Squad
4	Early Geography	Wonders of the World	4	Eiffel Tower, Tajmahal, Chichen Itza, Empire State, Burj-Al-Arab
5	Early Science	LEGO Science	4	Bridges, Balloon Powered Cars, Spinning Tops, Catapult
6	Early Math	Math & More	4	Add&Build, Symmetry, Bar Graphs, Measurement



TeachSTEAM LEGO Program

TeachSTEAM LEGO Program				
No.	Core Skill Focus	Series Name	Sessions	Details
7	Early Coding	Coding with Bricks	4	Crypto, Navigation, Tangram, Sudoku
8	Early Engineering	LEGO Carnival	4	Rotating Swing, Merry-go Round & Tower of Terror, Rollercoaster with Slide, Candy Dispenser
9	Creativity	LEGO Games	4	Treasure Hunt, Pictionary, Maze, Arcade
10	Creativity	LEGO Festivals	4	Christmas, Halloween, Diwali, Rangoli (Patterns)
11	Language, Imagination	STEAM Stories	6	A selection of 6 stories that induct problem-solving practices
12	Hand-motor, Creativity	Mosaic	6	Animals, Creatures, Nature, Characters
		Total	64 Sessions	



I. LEGO Creatures

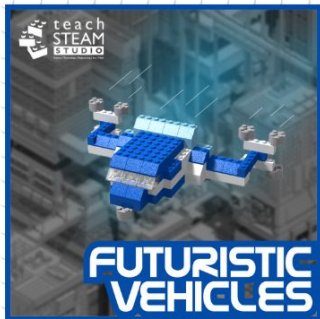
Children are introduced to the world of animals through LEGO® play in this series. Designed for the absolute beginner, it is ideal for preschoolers as their first foray into LEGO®. It explores the world of creatures from jurassic age to fantasy era, using LEGO models with brick-by-brick & easy-to-follow instructions.

Program details:

- Topics : 4, Sessions: 8
- Includes: 4 detailed Lesson plans, each includes plans for 2 sessions for each topic with downloadable printables
- 16 step-by-step model build-guides
- Level: **Beginner**
- Develops imagination & creativity,



2. LEGO Vehicle World



Provides children their first look at various vehicles & how they work in the real world. It includes vehicles from Space, Rescue Operations, Ocean & Future. Builds their perceptual power by enabling them to recognize world around them.

Program details:

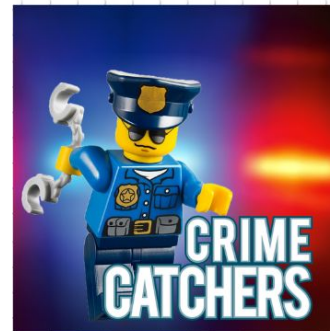
- Topics : 4, Sessions: 8
- Includes: 4 detailed Lesson plans, each includes plans for 2 sessions for each topic with downloadable printables
- 16 step-by-step model build-guides
- Level: **Beginner**
- Develops early science skills, imagination & creativity.

3. Community Heroes

This series is all about courageous & dedicated community workers around us, who keep our cities & us safe with their constant & sincere efforts. Children learn all about rescue operations by brave fire-fighters, dedicated medical workers, brave police operations & diligent sanitary staff along with building vehicles & scene building.

Program details:

- Topics : 4, Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables & free building activities
- 6 step-by-step model build-guides
- Level: **Intermediate**
- Develops social-awareness, imagination & creativity.



4. Wonders of the World



Children will explore the pinnacles of human achievement by learning about the landmarks that are now known as the Wonders of the World. The children will build their own miniature versions of Eiffel Tower, Taj Mahal, Chichen Itza & may more with LEGO bricks, exploring their structures and key features.

Program details:

- Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables & free building activities
- 6 step-by-step model build-guides
- Level: **Beginner to Intermediate**
- Hands-on building experience, Creativity, Fun

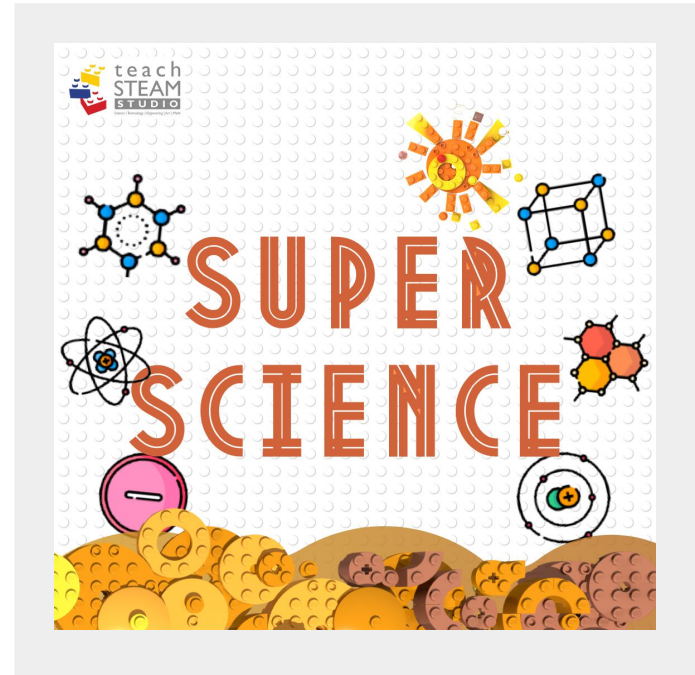


5. Super Science

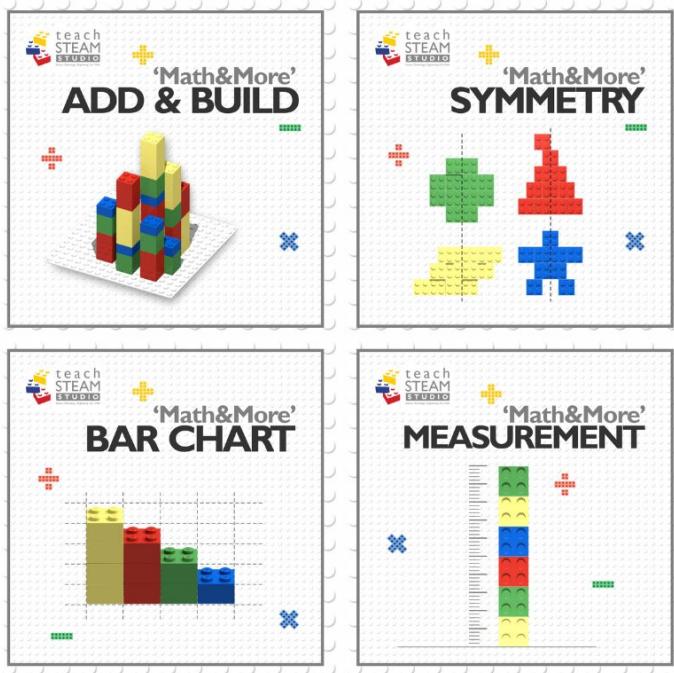
This series teaches the base scientific principles behind structures around us. Children learn all about early science concepts - balance, weight-distribution, stability and movement by building LEGO® structures like Wonders of the World, different types of bridges, vertical towers and structures with movement (ex. Carnival rides, Rollercoaster, Spinning tops, Balloon Powered Cars).

Program details:

- Topics : 4, Sessions: 8
- Includes: 4 detailed Lesson plans, each includes plans for 2 sessions for each topic with downloadable printables
- 16 step-by-step model build-guides
- Level: **Intermediate**
- Develops early science skills, hand motor-skills & creativity.



6. Math&More



Introduction to basics of maths and numeracy be exploring patterns, numbers and shapes. Builds cognition and enables children to see the world around them through the lens of familiar concepts like counting, geometrical representations and repeated sequences.

Program details:

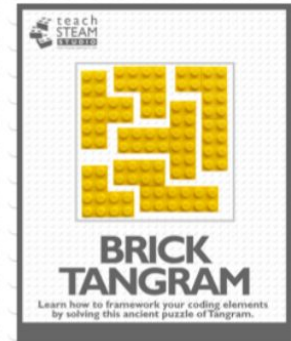
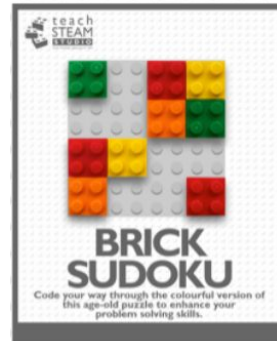
- Topics : 4, Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables
- Math practice worksheets
- Level: **Intermediate to Advanced**
- Develop early math skills, numeracy skills, hand-motor skills and logical & critical thinking skills.

7. Coding with Bricks

This series creates the foundation to 'Coding' using simple bricks, teaches concepts like cryptography, code-navigation, sudoku and tangrams. Children form an understanding of variables and sequencing, which is the ideal base for further coding and programming curriculums.

Program details:

- Topics : 4, Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables
- Coding practice worksheets
- Level: **Intermediate to Advanced**
- Develops early science skills, hand motor-skills, logical-thinking skills and critical-thinking skills.



8. LEGO Carnival



This series structures with movement. Children will build amusement park rides like Merry-Go-Rounds, Roller coaster, Free Fall & a candy dispenser. They will learn early science concepts about moving mechanisms.

Program details:

- Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables
- 4 build guides
- Level: **Intermediate to Advanced**
- Develops early science skills, hand motor-skills, creativity.



9. LEGO Games

This series focuses on Play+Learn LEGO games. It's always exciting to tour down memory lane and rediscover old toys that entertained us for hours! With this course, we are recreating all-time-favourite toys & games like Maze, Treasure hunt, Pictionary & Dominos with LEGO bricks.

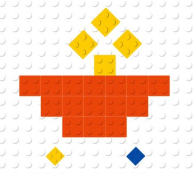
Program details:

- Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables
- 20 build guides
- Level: **Beginner to Intermediate**
- Develops early science skills, hand motor-skills, creativity.



10. Festive Workshops

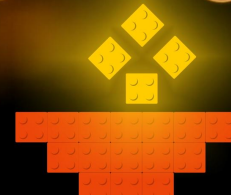
'LEGO'wali Rangoli
Contemporary Rangoli workshop using Math + LEGO for all ages.



20000+ LEGO Bricks 300+ LEGO Builders 150+ Parents 4 Creative Workshops

Unlimited Creativity & Fun!

'LEGO'wali Diwali



Let's add a sparkle to this Diwali with vibrant Rangolis and flashing Firecrackers in this creative LEGO workshop.

LEGO Classic Bricks

Happy **HALLOWEEN** LEGO Workshop

A blast of Halloween with its history, trick-or-treating and a special LEGO game with lots of spooky models.



Online

BRICKSMAS CHRISTMAS



Christmas Carnival with LEGO Bricks
Age 4-9 years
Unlimited fun & creativity with LEGO Santa, LEGO X'mas tree & Gifts!

This series focuses on Play+Learn LEGO games. It's always exciting to tour down memory lane and rediscover old toys that entertained us for hours! With this course, we are recreating all-time-favourite toys & games like spinning tops, catapult, candy dispenser, treasure hunt, pictionary & many more with LEGO bricks.

Program details:

- Sessions: 4
- Includes: 4 detailed Lesson plans, each includes downloadable printables
- 10 build guides
- Level: **Beginner to Intermediate**
- Develops creativity skills

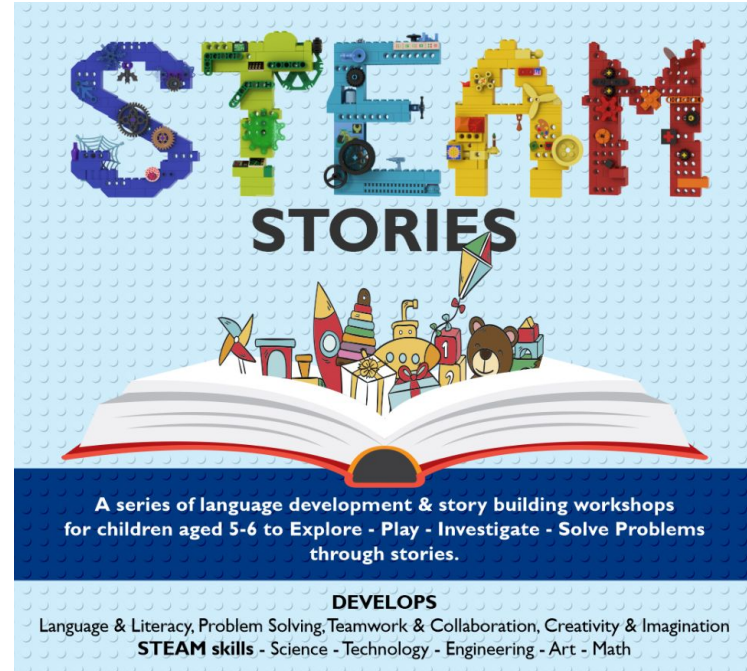


II. STEAM Stories

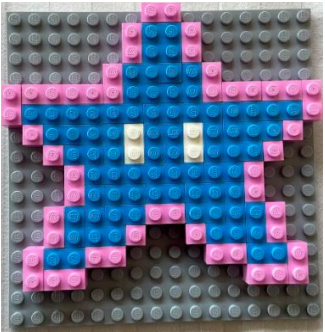
STEAM Stories is a stepping stone towards bringing the best out of two of the major fields, STEM and Humanities. This course helps students learn skills such as presentation, collaboration and listening by evoking creative solutions to problems from 3-part stories. Making 3D stories in the real world makes an impact on their hands-on STEM skills and language

Program details:

- Sessions: **6**
- Includes: 6 detailed Lesson plans with downloadable printables & building ideas
- Building repository for ideas
- Level: **Intermediate to advanced**
- Develops Speech, Language & literacy skills, Imagination, Creativity



| 2. Mosaic



This series creates the foundation to early math, imagination & creativity skills . Children imagine & build colourful Creatures, Patterns, Characters & Nature Elements piece-by-piece keeping concepts like symmetry & measurement in focus!

Program details:

- Sessions: **6**
- Includes: 6 detailed Lesson plans, each includes downloadable printables
- Math practice worksheets
- Level: **Intermediate to Advance**
- Develops Imagination, Visualisation, Concentration, Patience, Early Math



teach
STEAM™

Science | Technology | Engineering | Art | Math

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