



INDIA
STEM
ALLIANCE



STEM SOLUTIONS FOR SCHOOLS

- **STEAMSTART**
- **STEAMSCHOOL**
- **DISCOVERY**
- **CLOUDLABS**
- **HENRY FORD STEMIE**
- **STEM & STEAM KITS**
- **SCIENCE KITS**
- **ROCKET LABS**
- **SPACE LABS**
- **ISA MANGA MATHS**
- **PREBOO CODING**
- **AR TEACHING AIDS**
- **VIRTUAL REALITY**

RANGE OF PRODUCTS & SOLUTIONS



STEAMSTART

India's ONLY K-2 STEM (Pre School) Curriculum

Introduce students to the world of true project based learning and cultivate a love of learning STEM concepts from the very start.

Young children use core skills in aesthetically beautiful challenges. Design process and fabrication of scale models develops logical decision-making. Students build spatial awareness; use math skills in real world challenges; develop problem-solving tools; increase manual dexterity and focus on attention to detail.

All materials are correlated to Common Core Language Arts, Common Core Mathematics, and Next Generation Science Standards.

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STEAM  **start**

STEAM SCHOOL

Word's First Live STEM Telecast

Steam School is the perfect tool for Primary, Secondary, and International schools looking for a way to boost their STEAM curriculum.

the world's first live streaming series, we bring STEM straight to your classrooms. Every week!

With easy-to-access content aimed at young learners - and interviews with some of the biggest and most inspirational names in tech, Steam School gives endless inspiration and real-world examples to support their wider learning.

Students get to "meet" the best STEM Experts, scientists and STEM educators week after week and get enriched with real life STEM applications.

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STEAM
SCHOOL

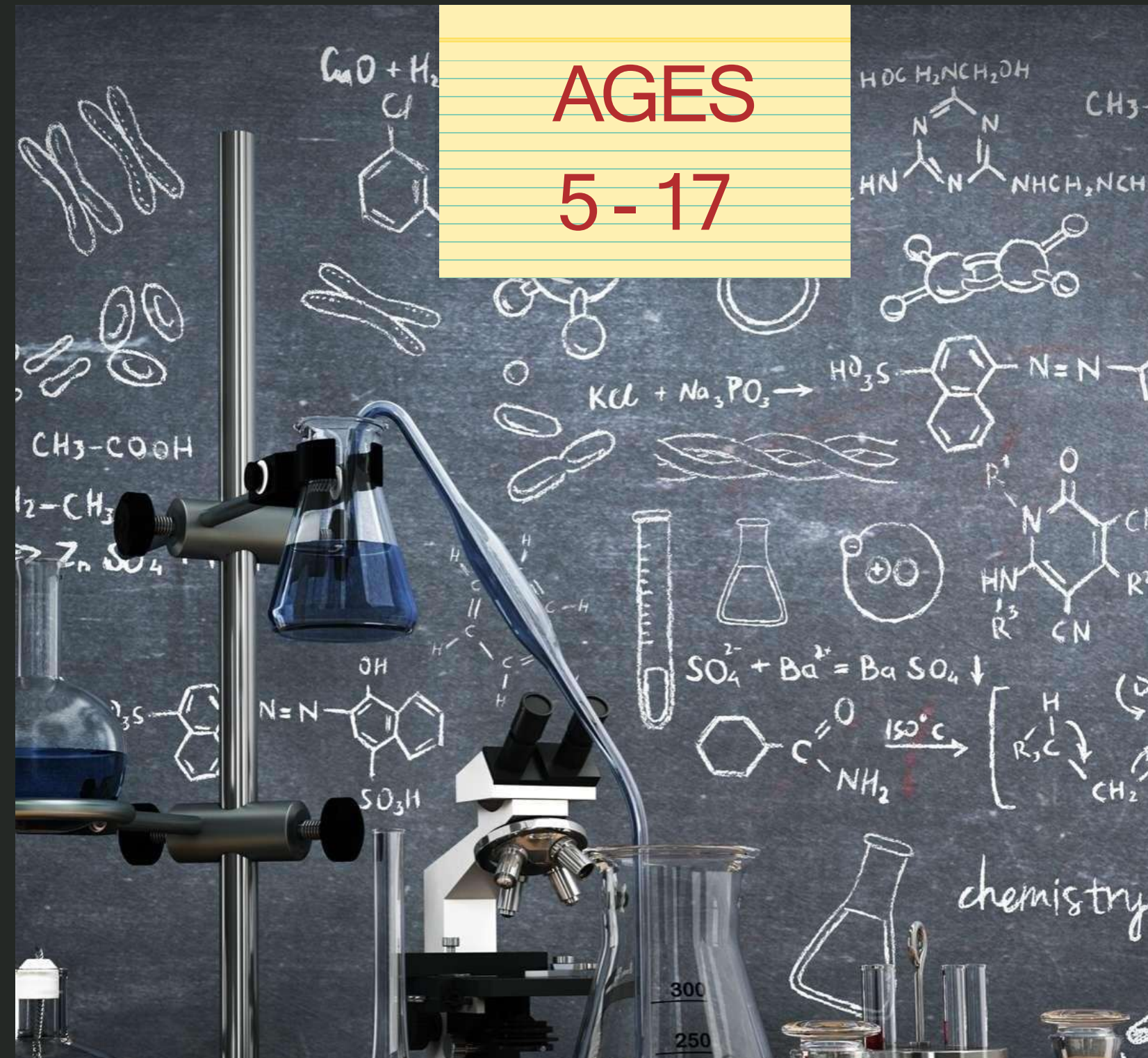
DISCOVERY EDUCATION

Best STEM Education Curriculum

Discovery Education is the global leader in standards-based digital curriculum resources for K-12 classrooms worldwide.

Discovery is the home to award-winning digital textbooks, multimedia content, and the largest professional development community of its kind.

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 **Discovery**
EDUCATION™

CLOUD LABS

Worlds first Virtual Science Lab - All Sciences

CloudLabs® is a virtual learning environment focused on STEM education (Science, Technology, Engineering, Mathematics) composed of simulators which provide access to over 200 laboratory practices with supporting curriculum content, and a management system for teachers and students,

CloudLabs Academy a teacher community, as well as an effective methodology including challenges, decision making and problem solving.

Works online and offline! More than 300 Projects and activities.



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STEMIE BY HENRY FORD **STEM +invention +Entrepreneurship Program**

Our Mission statement is to have every child in every school in India become an inventor and/or entrepreneur, once, better twice, and instill problem-identification, problem-solving, entrepreneurship, and creativity skills for life - through inventing, innovating, and entrepreneurial activities.

The STEM Entrepreneur Program, besides core STEM skills equips you with 21st century skills like Critical thinking, Creativity, Collaboration, Communication, Information literacy, Media literacy, Technology literacy, Flexibility, Leadership Initiative, Productivity and Social skills.

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the
Henry
Ford



STEMIE
COALITION

STEM & STEAM KITS

Largest Variety of world class STEM Kits

Aavishkar Lab's mission is to foster Innovation Culture in the school students by introducing the missing dimension of 'Learning by Tinkering' and 'Learning by Doing' in the school education and going beyond the 'Activity Based Learning'

.e-STEEM based Aavishkar lab aims to develop a new learning dimension in our existing school education system, by combining creativity and innovation to implement the 21 st Century Technological Pedagogy.It intends to encourage the students to learn by 'Tinkering', 'Making' and 'Doing' to develop their skills.

An India STEM Alliance initiative along with Dr. Vijay Bhatkar - Padma Bhushan Awardee and the Father of "PARAM", India's first super computer

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Aavishkar

Lab

SCIENCE KITS

Science Kits for all ages (NCERT aligned)

We are promoting culture of hands-on education. For that we have developed number of innovative kits. These kits are based on principle of 'Learning by Doing'. Every kit is designed in simple way, yet it is serving as a powerful tool for self learning.

While designing these kits we have gone through school curriculum of all major boards. This mapping of scientific activities with school syllabus will strengthen the impact. Box of Science kits are also serving as a science project. Children are using our kits for further exploration of science and technology. Every kit serves as a tool for science models and science experiments for kids.

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ROCKET LABS

India's First Solid Fuel Rocket Labs

India's first solid fuel powered model rocket kit manufacturer, supplying kits to schools, colleges and rocket enthusiasts across the country.

RockIT also provides turnkey educational solutions incorporating experiential learning based STEM education using scientifically designed curriculum, experiments and projects to students and educational institutions across the country.

Set up Rocket Labs as well for schools and colleges



ROCKET LABS

SPACE LABS

India's only complete Space Curriculum & Labs

Explore the wonder world of space, astronomy and aerospace.

A complete lab with curriculum and learn about our universe. Also learn about The international Space Station, Chandrayan, Rocket Launchers and so much more. Make and launch your own Chandrayan!



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ISA MANGA MATHS

Game Based Maths Learning

Manga is one of the most engaging learning platform for kids helping students of all abilities to learn more effectively using a game based approach.

Curriculum aligned AI driven teaching platform.
By the makers of Candy Crush

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MANGAHIGH

PREBOO CODING

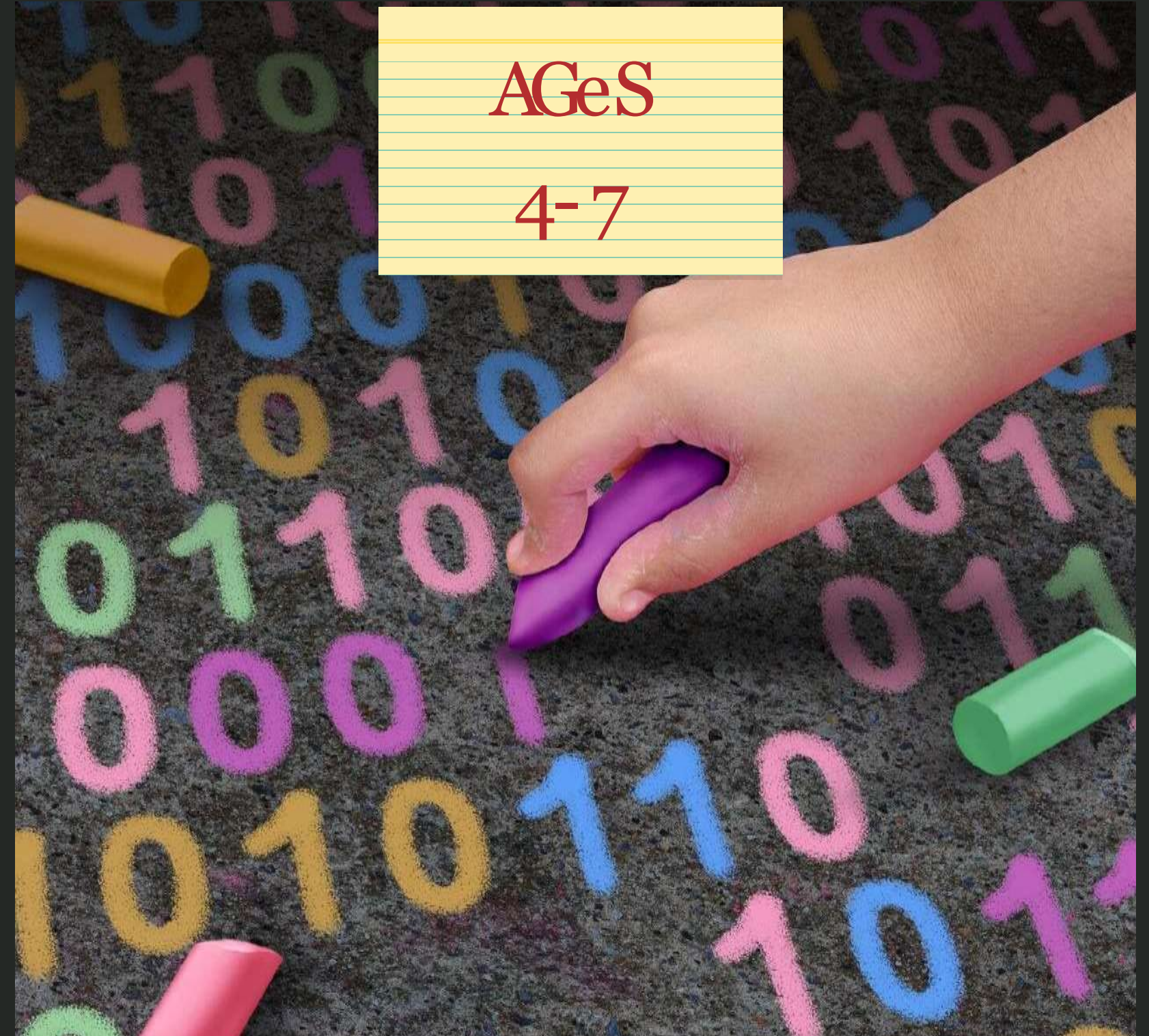
Pre School Coding with Chhota Singham

A web platform where kids are introduced to the world of programming via games, lessons, puzzles and much more. It encourage kids to become inventors by using technology rather than being mere consumers of the technology. Teaches not just coding but also moral values as that is the pedagogical design of the program.

Learn coding and good moral values along with Chhota Singham

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PreBOO

3D AUGMENTED REALITY

Award winning 3D Games and Toys

An interactive way where children can learn in an fun and enjoyable way. This set contain 26 different Augmented Reality Cards from . With Free OOBEDU App, scan the flashcards to see the character's come Alive

Choose from:

- Alphabets
- Fruits & Vegetables
- Human Body
- Solar System
- Animals



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VIRTUL REALITY

The only NCERT VR Solution in India

Let learners explore abstract ideas in a distraction-free environment, and allow them to connect with these concepts at their own pace.

The VR is a uniquely personal experience and Veative is on a mission to enhance the learning experience of learners everywhere, while also supporting the teaching experience of instructors. In doing so, we are committed to positively influencing engagement, retention, and desire to learn..

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VEATIVE

STEM TOY RANGE

At ISA we have the best in toys and games for kids from age 3 -10. A R, Robotics, Coding games that kids can enjoy and understand STEM concepts.

We manufacture educational robots that enable children to learn STEM (Science, Technology, Engineering and Math) skills, 21st century skills like critical thinking, collaborative learning, innovation and logical reasoning.

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STEM WORKSHOPS

A series of enriching STEM Workshops for students and educators

The fastest growing careers and highest paying jobs today and in the future are in STEM fields. These careers require a cross section of knowledge combined with creative thinking and problem solving skills.

We offer workshops on various topics such as electronics and circuits, building machines, robotics, drones building, and a variety of construction and general engineering challenges. Our workshops vary from introductory programs to more involved exploration.



KidsTalk
WORKSHOPS

STEM TOURS

Widest Range of STEM International & Domestic Tours

We custom designs STEM tours to link to the Sciences, Technology/ICT, Engineering and Mathematics curricula. Our expertise enables us to develop or identify specific, curriculum-linked, experiential learning activities to engage your students in active learning. A STEM school trip or workshop is a great way you can get your class excited about subjects like maths and science. Finding places that will welcome a school group is not too difficult, but finding somewhere that will really get them inspired, can be a challenge.

Students learn about Robotics, AI, VR/AR, Marine Biology, and so much more! STEM Tours available for USA, Canada, UK, Europe, Australia, Singapore, India. Many more destinations...



OTHER SERVICES

- STEM Teacher Training
- STEM Curriculum Development
- STEM Competitions & Challenges
- STEM Events
- STEM Ignite Talks
- STEM Faculty Facilitation
- STEM Advisory Board Formation
- STEM Insights
- STEM School Set up



STEM CERTIFICATIONS

Our STEM Educational Research™'s trustmarks have been extensively and continuously used, marketed, advertised and promoted globally acquiring distinctiveness and secondary meaning since early 2012.

We benchmark STEM best practices in the following:

- STEM Curriculum
- STEM Teachers
- STEM Products & Solutions
- STEM Software
- STEM Impavt
- STEM Facilitators
- STEM Labs



STEM.ORG
ACCREDITED™
EDUCATIONAL PROGRAM ✓



INDIA STEM ALLIANCE FUNDAMENTALS

ISA ENGAGES

Spurs partnerships and engages K-12 and higher education, business, government, philanthropy and the community to amplify STEM teaching and learning opportunities for students across the country.

ISA EDUCATES

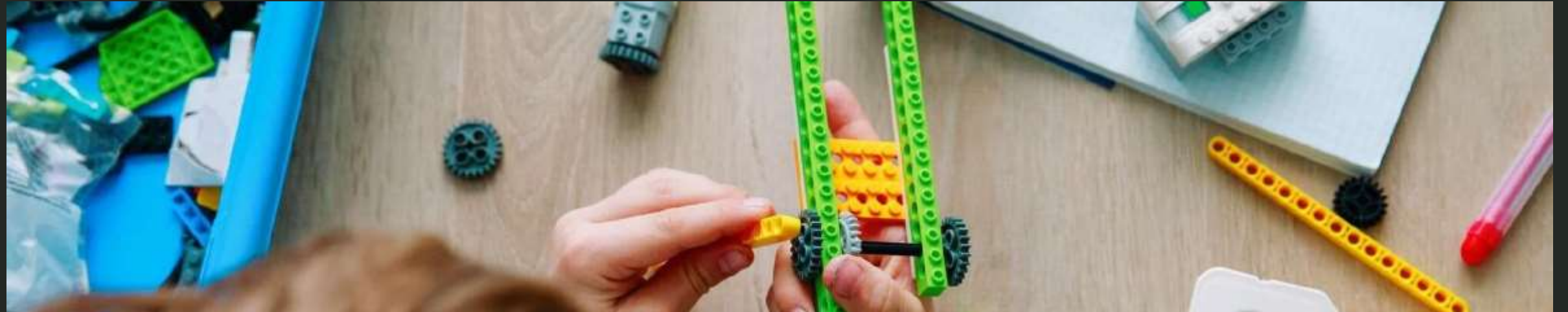
Defines what quality STEM teaching and learning looks like and connects state networks and partners across the country to accelerate the spread of universally transformative STEM educational practices and policies to reach more students.

ISA EMPOWERS

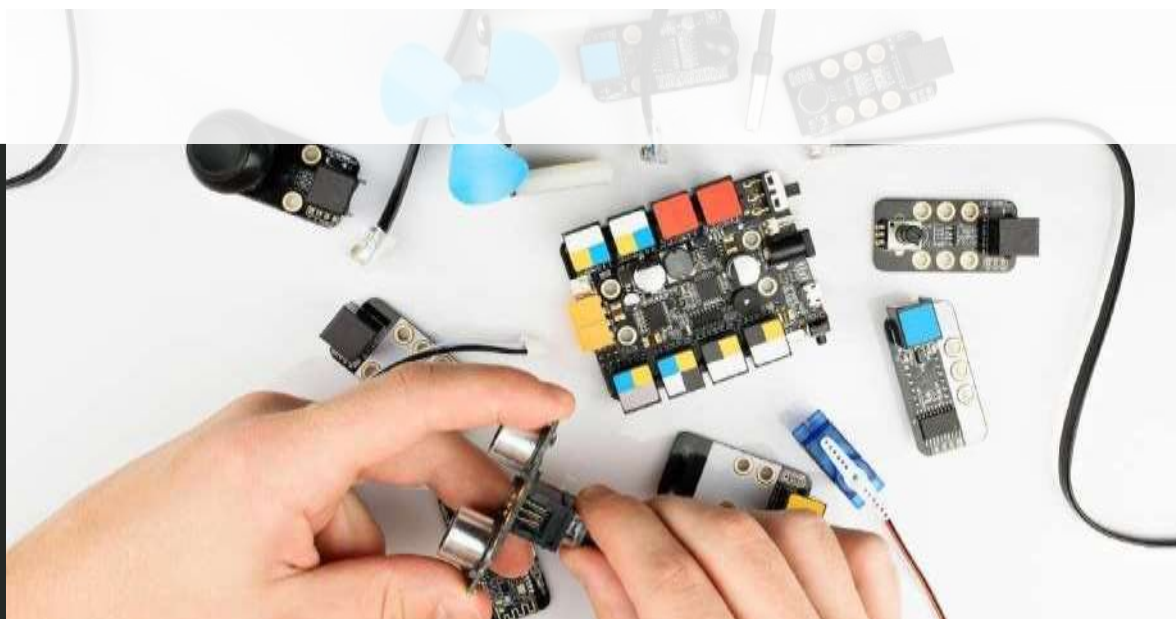
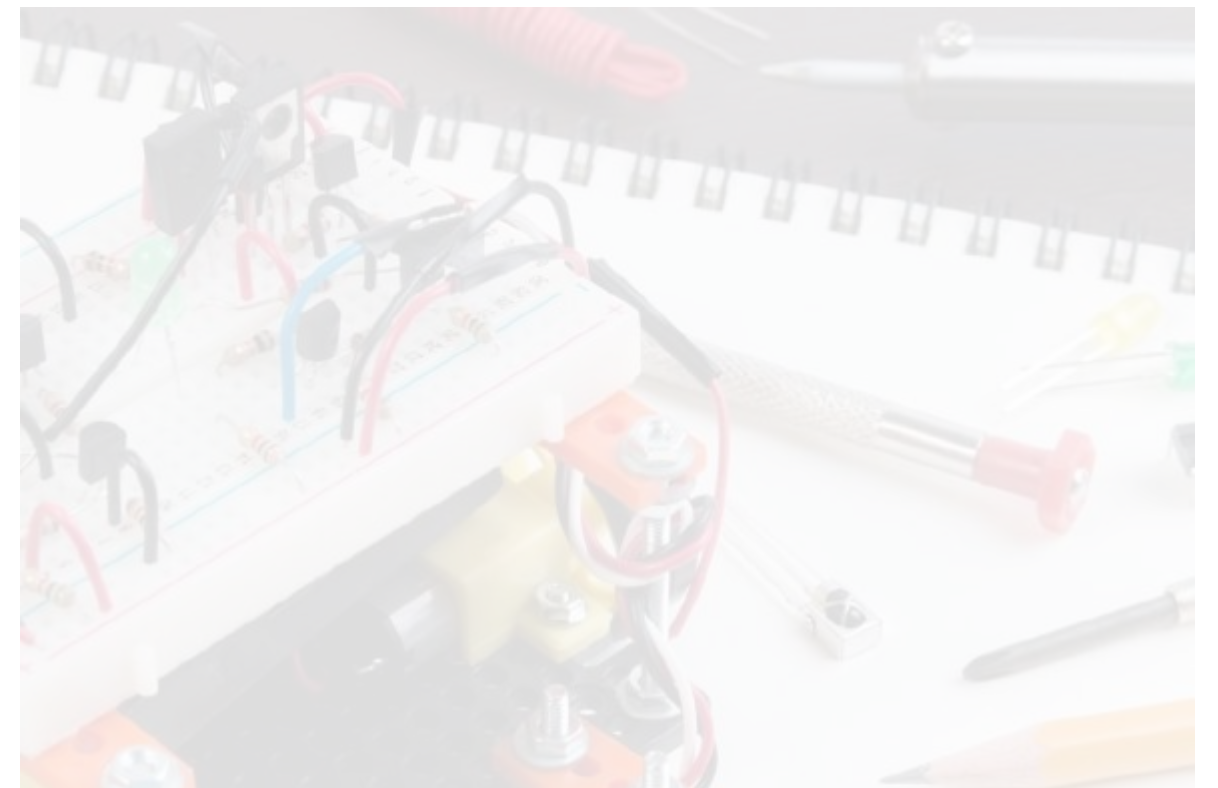
Promotes sharing of high-quality STEM resources and tools that span STEM teaching and learning, quality metrics, policy and advocacy, communication and community engagement, and state network planning all to increase student achievement.

ISA EVOLVES

Redefines learning outcomes, enriches academics and curriculums, promotes creative and entrepreneur skills and raises better informed citizens.



ALL PROGRAMS ALIGNED TO



" One of the things that I've been focused on as President is how we create an all-hands-on-deck approach to science, technology, engineering, and math...We need to make this a priority to train an army of new teachers in these subject areas, and to make sure that all of us as a country are lifting up these subjects for the respect that they deserve "

~Barack Obama.



COMING SOON



STEM ZON
India's first and
dedicated STEM Portal



INDIA
STEM
ALLIANCE



STEM INDIA
India's First dedicated
STEM Magazine

Contact Us



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