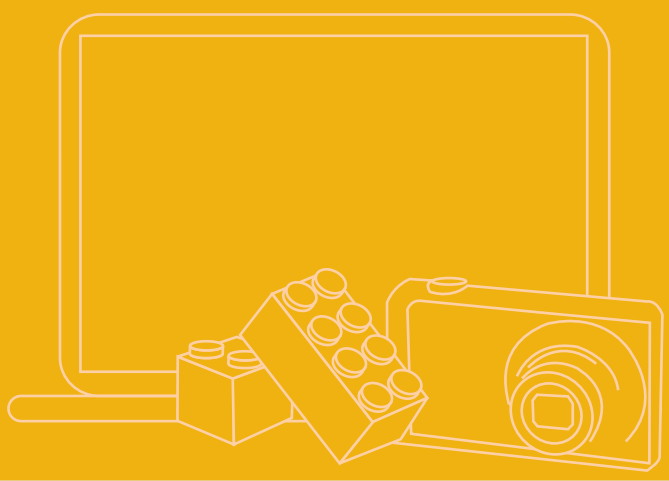
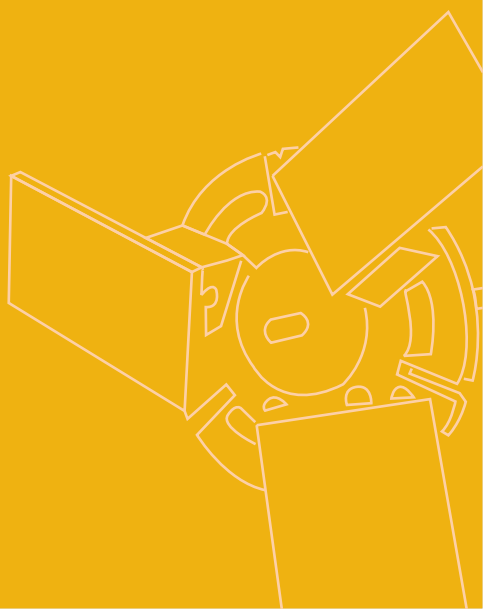
creya

XEL

Studio Based Learning Program

for Schools of the future





About Us

Creya is an innovative education company focused on equipping children with the skills, literacies, competencies and the attitude needed to thrive in the dynamic world of the 21st Century. The 'Studio Based Learning program' focuses on providing authentic projects, helping children construct knowledge, learn experientially, and make connections between their academic learning and the real world.

The Creya Learning Studio is anchored by an innovative and robust curriculum that is working in over 7500 schools worldwide. The curriculum aligns to various international standards (IB, IGCSE) and our own National Curriculum Framework (NCF) that forms the basis of curricula designed by CBSE, ICSE and several State Boards.

Creya XEL

creya XEL

An innovative program to deliver 21st century skills and STEM education in schools, using a constructivist approach, integrated into the school curriculum. The program, designed for and exclusively offered in K-12 schools, seamlessly integrates with the school curriculum, calendar and academics to help create 'schools of the future'

Creya XEL Components

Learning Studio

A learning space created within the school for inspiring children to construct, collaborate and innovate.

Curriculum

A structured project approach for guiding children to connect classroom learning to real-world problem solving.

Support

A robust and proven methodology to assist the school in implementing the program successfully.

Creya Approach

21st Century Skills:
Students need to acquire skills beyond academics like creative thinking, critical thinking, collaboration and communication to succeed in college, career and life.

Experiential:
A constructivist way of learning where children get an opportunity to work 'hands-on' and 'minds-on' is essential for an engaged learning.

STEM
An integrated STEM (Science Technology Engineering & Math) methodology is the key for applying concepts from Math, Science and other disciplines in solving real-world problems.

Design Thinking:
A dynamic, creative and collaborative approach to learning includes research, analysis, ideating, experimentation, learning from mistakes and usually a concrete output.

Learning Studio

The Learning Studio is a physical space setup inside the school premises. It brings together the Creya curriculum, constructibles and teaching practices in a single environment to provide seamless learning experience for children.

In the studio, children learn to succeed by experimenting, connecting their classroom learning to the real world and sometimes even by making mistakes. It is here that children are in charge of their learning and the teacher is a guide, mentor and co-learner.

- 500 Sft classroom
- Design thinking space
- Storage
- Coach
- Classroom elements
- Curriculum books
- Diverse manipulative sets
- Collaborative work spaces
- Internet enabled computers

Constructibles

Creya provides students with a range of advanced constructibles that cater to multiple intelligences, disciplines and age groups. These help students engage in constructivist learning.

These constructibles stimulate curiosity, excitement and challenge the students, leading to an ideal atmosphere for learning. The exhaustive engineering constructibles provide them with the capability to build a potentially unlimited variety of working models and solutions. This, combined with the curriculum, helps nurture 21st Century learning outcomes such as collaboration, critical thinking, risk taking, problem solving and adaptability.

Features

Quality :
High precision, sturdy & safe

Maintenance :
Easy to manage, secure & maintain

Diversity :
Multiple configurations allow unlimited designs and builds

Highlights

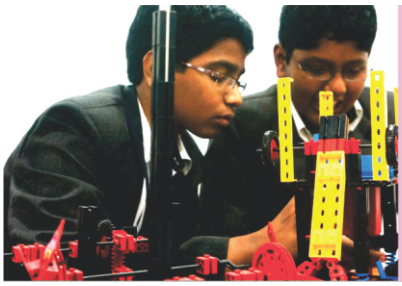
01. Stimulates curiosity

02. High engagement levels

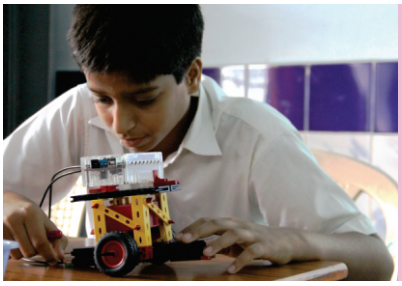
03. Abstract to concrete

04. Deeper learning

05. Multisensory experiences



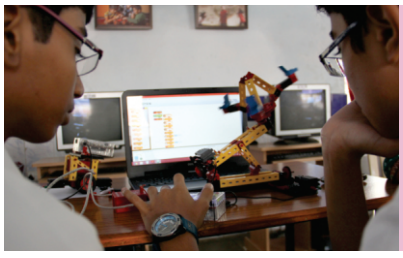
Engineering



Robotics

Digital Media Set

Brick



Software Applications

Curriculum

Backed by 20 years of research, the constructivist curriculum draws its content and activities from an exhaustive repository of disciplines like Science, Technology, Engineering, Robotics, Electronics, Mathematics, Digital Media and Arts, as well as Life & Leadership Skills.

Creya provides curricula across Grades 1 through 10. The curriculum for each grade ranges from 30-45 hours of studio-based learning per grade in an academic year.

Highlights

- 20 years of research
- 21st Century Skills
- 7000+ global implementations
- Aligned to international standards (ITEEA) & national standards (CBSE/ICSE) & state boards

Disciplines

- STEM
  - Science
  - Technology
  - Engineering
  - Math
- Digital media
  - Digital portfolios
  - Audiocasting
  - Digital video
  - Photography

XEL Curriculum Material

- Course Books
- Assessment rubrics
- Student log books
- Video resources
- Lesson plans
- Professional development

Curriculum Structure

Each unit takes students from step-by-step guided projects, on to open-ended challenges designed for students to utilize concepts learned in the projects and towards the final capstone project which checks the student's ability to transfer their learning to a new/different context.

Support

The success of any program, product or service is dependent on how well it is implemented. Creya provides a structured and customised approach for each school, taking into account variances at a school level. Setting up the Studio, integrating the program with the school curriculum and scheduling classes within the school timetable are all planned for within the implementation.

A Creya Coach is provided for every school to monitor the health of the implementation and support school teachers in the delivery of Creya program. Creya provides training, support and on-going help to ensure the program delivers improved academic outcomes for students.

creya

School

Curriculum

- Assessment
- Rubrics framework
- Student log books
- Course books
- Instructor manuals
- Lesson plans
- Video resources

IT infrastructure

- Broadband connection
- Projector & Screen
- 1 computer for 3 - 4 students
- Power backup

Constructibles

- Engineering equipment
- Robotics
- Brick
- Video equipment
- Audio equipment

Physical infrastructure

- Flat surface table & stools
- Dedicated classroom space
- Book storage space (Almirah)
- White board, markers & stationery

Support

- On-site support
- Dial-in phone support
- Creya Connect (real-time video support)
- Offline video repositories

Professional development

creya Trainer

Teachers

Delivery

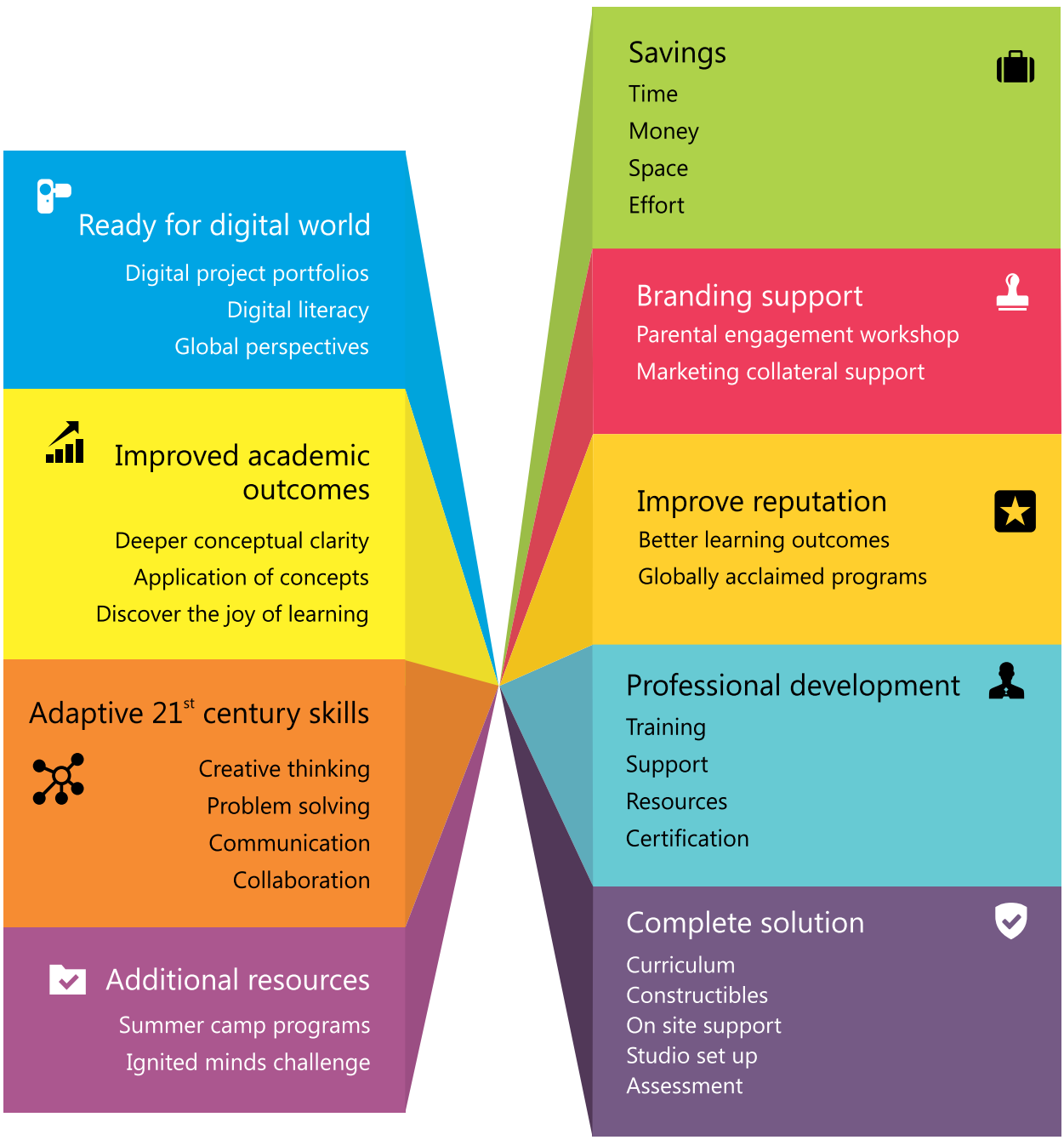
Standard : Through school teachers trained by Creya

Custom : Through coach from Creya

Benefits

With the Creya XEL Learning program in your school, students will have improved academic learning outcomes and skills, equipping them for global education and 21st century careers.

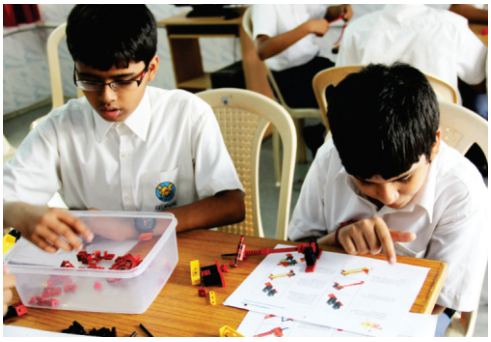
Creya acts as a catalyst for improving a school's reputation through implementing an experiential learning program of international quality. Parents feel assured about their children's success, through active feedback that children provide and noticeable changes the program brings in their learning and development.



Testimonials

With Creya XEL Learning studio in schools, students across India are reaping the benefits of a world-class program that prepares them for success - *today and tomorrow.*

Students, parents and teachers in cities like Bangalore, Mumbai, Bhubaneswar, Gurgaon, Dehradun, Indore, Gwalior, Hyderabad, Madurai, Trichy, Baroda, Ahmedabad and towns like Kurnool, Kolhapur and Karjat can vouch for the excitement of 21st Century learning in a Creya XEL Studio.



> *Creya is not just a robotics program, it's not just a building program, it's not just a digital media program - its all of these rolled into one and much, much more. Creya is exciting, it's invigorating, it's challenging. It's a brilliant program.*
>
> Ms. Madhavi Agarwal, Founder,
> Cygnus World School, Vadodara

> *I have had ample interaction and evaluation of the program from Creya Learning and believe their content, methodology, training and philosophy is very good.*
>
> Dr. Mahesh Prasad, Former School Head,
> The Heritage School, Gurgaon

> *We have given Creya quite a big weightage by giving a weekly session after reducing other routine science classes...Every school should adapt this as STEM is essential for the students' holistic development.*
>
> Shri. Kamal Mangal, Trustee,
> Anand Niketan Group of Schools,
> Gujarat

Media

THE HINDU

Experiential learning to develop skills

Creya learning focuses on building creative thinking

Keeping this in mind and replacing descriptive practices with an experiential method of teaching, Creya learning – an in-school training programme, focuses on building analytical and creative thinking through its interdisciplinary experiential learning module that allows children to think beyond classrooms and interpret a subject in a broader perspective.

THE TIMES OF INDIA

Paving way for holistic learning

Using an interdisciplinary, hands-on approach. The heart of the Creya Learning Studio lies in providing authentic projects, constructing knowledge, helping children learn experientially, and making connections between their learning and the real world.

EducationWorld

Big bang initiatives revolutionising Indian education

Creya Learning, a primary-secondary curriculum enrichment and development company...fast earning a good reputation for providing cognitive skills enhancements programmes.

the magazine for the contemporary teacher
TEACHER PLUS

Taking the skill challenge

Creya Learning , who provide 21st Century skills programs to schools that requires all the students to think, analyze, design, draw and build together by applying what they learnt and using information available on the internet...What Creya does is interesting and unique that children get exposure to the artistic and the analytical side of their personality...

Engineering watch
India's most prestigious magazine dedicated to Engineering Community

Understand the innate nuances of STEM Education

Many traditional and progressive schools have started implementing STEM programs like Creya and are seeing the creativity and analytical thinking skills of their student burst forth ...

Mentor™

Making Education Relevant in Schools

Scores of schools have partnered with Creya Learning to foster 21st Century Skills among their students.

creya

040 - 64648630 | 96180 54515 | venky@creyalearning.com

258/A, MLA Colony, Road No 12, Banjara Hills, Hyderabad - 500034

www.creyalearning.com

www.facebook.com/creyalearning

www.youtube.com/creyalearning