MINT GENIE

Mathematik, Informatik, Naturwissenschaft und Technik
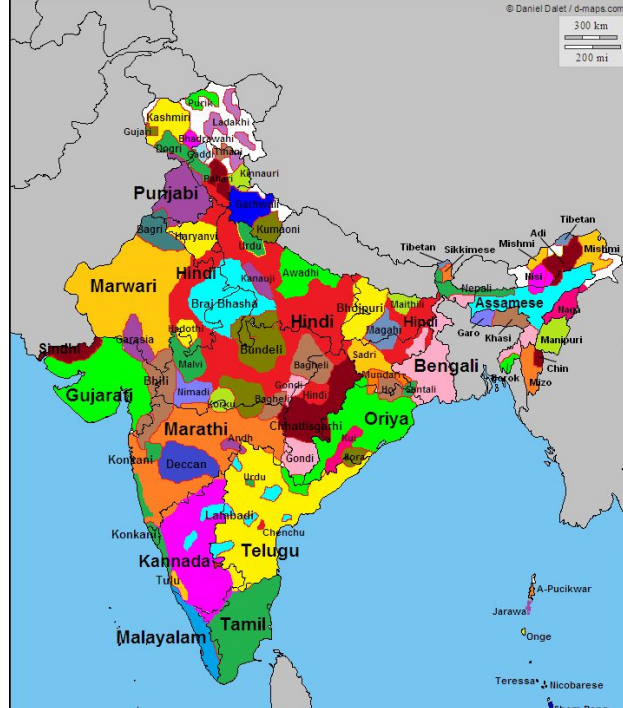
An initiative of Paatashaaley
www.paatashaaley.com

Prepare for the Future with STEM Education

*Science Technology Engineering and Math

Paatashaaley

- Paatashaaley focuses on preserving and nurturing the rich culture and traditions of India.
- www.paatashaaley.com

- Our Activities
  - Languages
  - Yoga
  - Sanskrit through Shlokas
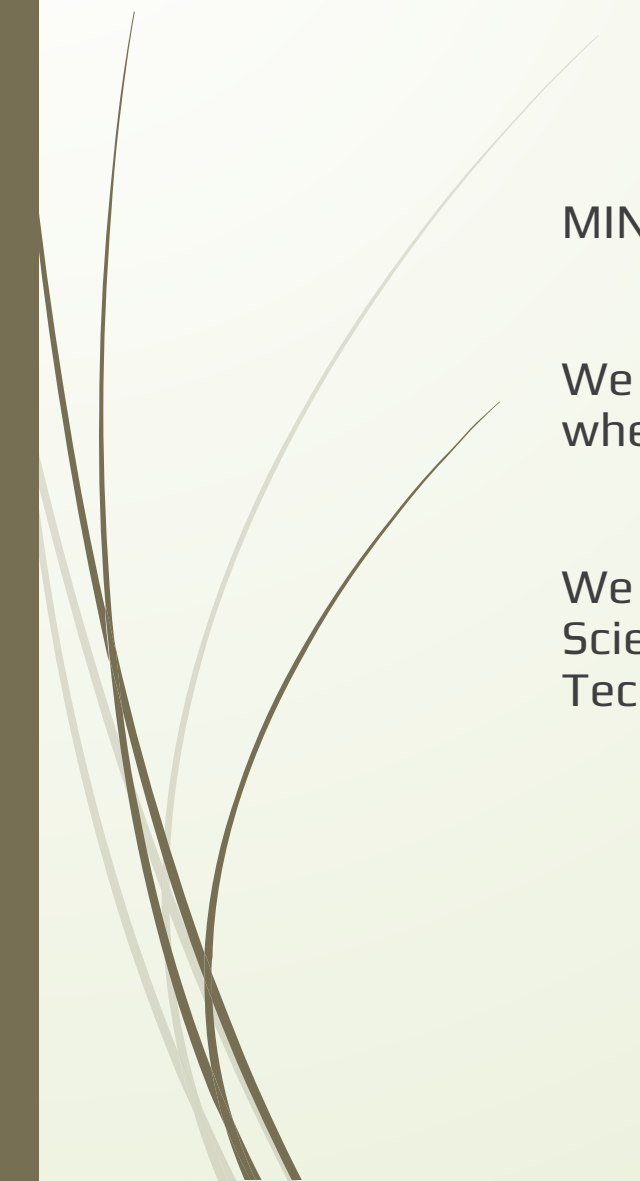 - Vedic Math
  - Festivals and more…

MINT Genie

MINT Genie is the technology focused initiative of Paatashaaley.

We are really passionate about technology and believe that we can harness its power when used in the right manner for the betterment of mankind.

We would like to get children interested in the various branches of Science, Electronics and Math and help them prepare for a future surrounded by Technology by being creative and curious.

- MINT Genie Journey…
  - Science Workshops
  - Interactive stalls in India Days
  - Build your own toys workshops
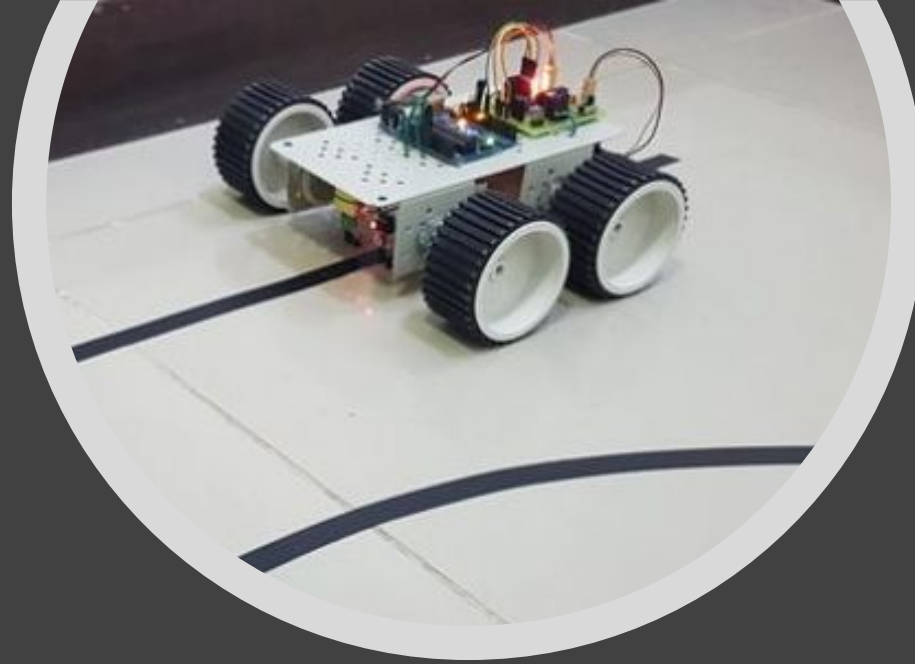 - and more…

Kangaroo Math
Preparation Course
& Exam

Rubik's Solving

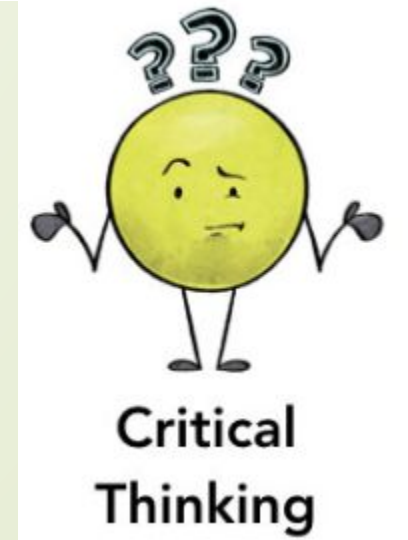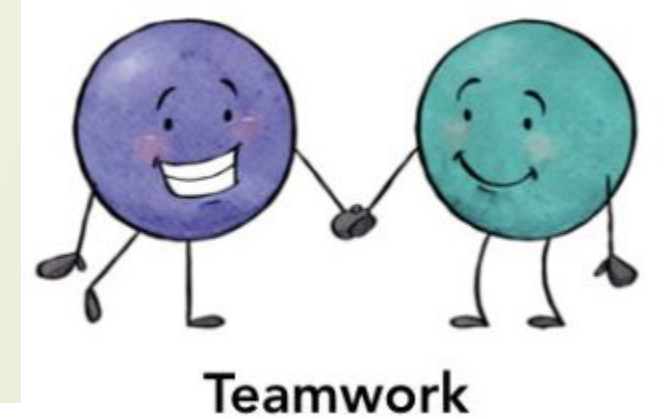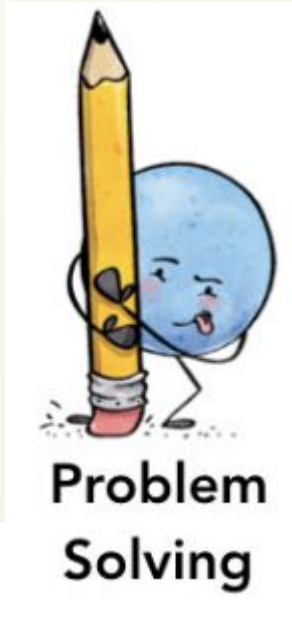MINTGenie
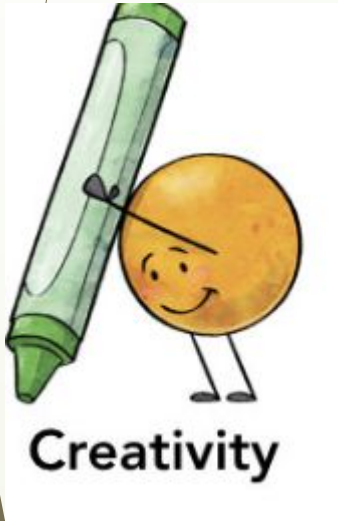@
European School
Karlsruhe

Upcoming workshops...

Rule the Robotz
Starts 7th Nov

How does it help children?

Creativity

Problem Solving

Self-Confidence

Teamwork

Perseverance

Critical Thinking

Risk Taking

Workshop Highlights

- Block Programming

- Progressive Curriculum Style Program for 8 months

  - 1 hour every week

  - Separate batch for ages 8-10 and 11-14 yr old kids

- Successfully completed 6 batches including 3 batches at European school

- Interactive

  - Closely monitored sessions

  - Remotely tracked progress using Google Classroom

  - Short assignments every week

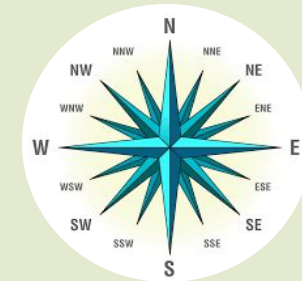- Design Challenge at the end of every level

Requirements:

- Must have a tablet/Laptop with internet access and Chrome browser (webcam optional - but nice to have)

- Mobile phones are not suitable for live sessions as it requires switching between browsers and live sessions

- Every student must have Google login credentials to join sessions and share progress

  - Parent managed child account to be created by providing correct age.

- Additional hardware purchase

  - Links to purchase kits will be provided

- Parent(s) help will be required to encourage kids to finish assignments on time and also to maintain attention during sessions.

Part 1

- Topics: **Introduction to Robotics**
  - Step-by-step instructions
  - Repeating instructions (loops)
  - Checking a condition (logic)
  - **Goal**: Solve puzzles that need repetition based on conditions
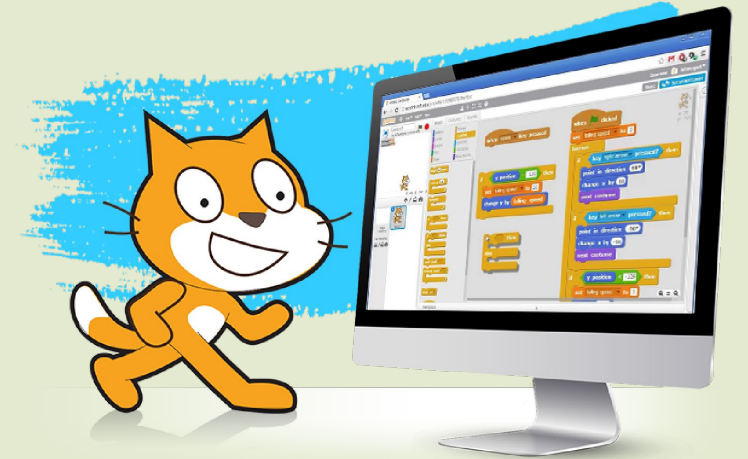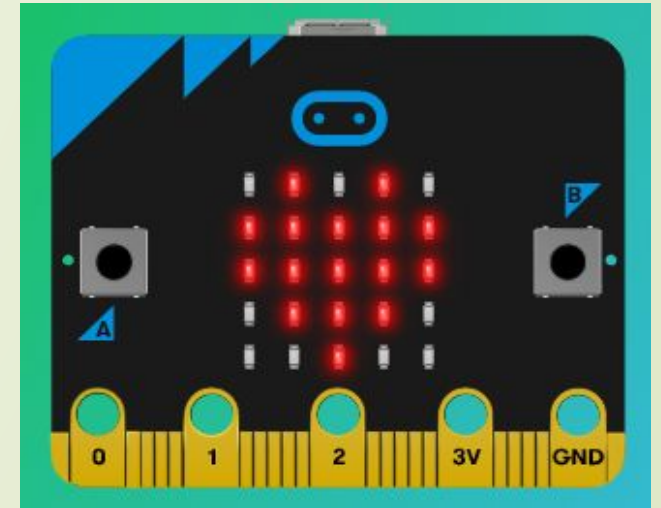
Part 2
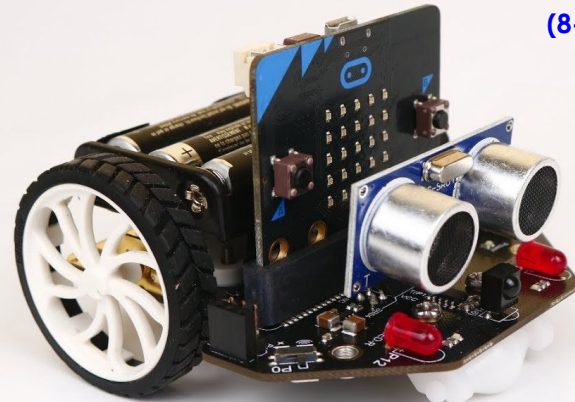
- Topics: **Scratch Programming**
  - Introduction to concepts in Scratch
  - Storyboarding with programming on Scratch
  - Build simple games with Scratch
  - Goal: Learn to tie together different taks in a program

Part 3:

- Topics: **Interacting with the environment**
  - Learn to see around you using light/sound/touch…
  - Counting events and measuring physical quantities
  - Create wearable robots
  - **Goal**: Program a microcontroller to interact with its surroundings
- We use BBC Micro:Bit as the microcontroller of choice - this must be purchased
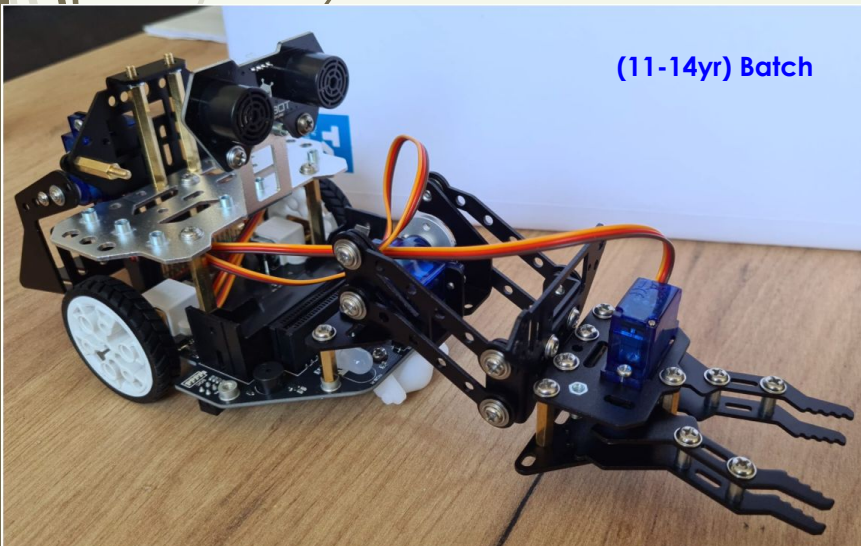
(8-10yr) Batch

(11-14yr) Batch

Part 4

- Topics: **Solving real world problems**
- Setup multiple problem scenarios and tackle them
- Search and Rescue missions (on a table)
- Cryptography – a way to send Secret messages
- Pixel animation
- **Goal**: Ready for a Big Robo Challenge

* Maqueen Robot should be purchased

How we know this works???

Manjushah
Stuttgart

B1-Rule the Robotz Jr.
Jul-Sep 2020

Great initiative by the team... Program is wonderfully designed, teaching kids right from the basic concepts..
Initially I was bit skeptical about kids interest towards classes since it was online but the Instructor handled it great, making kids glued to the classes with excitement. The program is very well structured and organized, introducing new concepts and ideas in every class.
My son thoroughly enjoyed and will definitely miss the classes, will look forward for more such classes..
Appreciate the initiative and all the work! Kuddos to the entire team!!, :) 😊👍

Deepti
Seeheim

B1-Rule the Robotz Jr.
Jul-Sep 2020

Thank you for making learning so interesting! Rutva really enjoyed your lessons and although he had no prior knowledge of Robotics, I think he has picked up some basics and hopes to continue to learn.We are thankful to you for being a very kind and patient teacher! I want to let you know, that we were very satisfied with this course and have recommended some friends as well, so they can benefit from it, just as we did! Thank you!!!

Fasiha
Frankfurt

B1-Rule the Robotz
Jul-Sep 2020

I would also like to take this opportunity to Thank Shravan and their entire Mint Genie team for their excellent program and patience to teach our children. It is a super interesting topic for our kids and as well as for us. Indeed it is a proud moment for us parents to see them build their Robots and program them with their creative skills. You have given them a good platform to build on it. I personally thank for these classes as they have been conveniently planned on weekends. Thank you!! Keep up this good job 👌 and build the future!

Vijayanand
Karlsruhe

B1-Rule the Robotz
Jul-Sep 2020

As a parent I feel the programs conducted by Mint Genie 🧑 was wonderful and intuitive for the kids to explore their skills on programming robots understanding basics of logic building, My son was proud of himself when he saw his first self made robot was working as per his commands , he was having great fun and found tasks to be challenging- keep the good work Mint Genie Team - wish you guys great success

More details...

Course cost:

- (8-10yr) Batch: 280 Euros
- (11-14yr) Batch: 320 Euros

Approx Hardware costs:

- (8-10yr) Batch:100 Euros
- (11-14yr) Batch: 140 Euros

Payment options: Bank transfer or Paypal (details on our website)

**In planning: possibility to meet face-to-face at end of February and/or June

Questions and Feedback

- write to us at mintgenie.de@gmail.com

Thank you

Checkout – Like - Share
www.MINTGenie.de
mintgenie.edu@gmail.com
www.facebook.com/MINTGenie.de
www.facebook.com/Paatashaaley