

Dear Parents,

Technology has become increasingly important in Today's world. It is invaluable to not only learn how to use technology, but also to understand how to create it. Robotics is one such field. It connects students to several disciplines as it combines mechanical, electronic, electrical and programming skills. We are glad to inform you that our school has decided to venture into this innovative and creative domain this session.

Goals of the Program:

Help students develop greater interest in Stem robotics (Science Technology Engineering, Math and Robotics) by exposing them to Practical concepts and implementation.

Will provide a platform and support to apply and connect the theoretical learning with the world outside by making and designing their own innovative projects models.

Enable students to become motivated and engaged in STEAM fields through observation, experimentation, interference drawing and model making.

Guide students to solve real world problems with an effective usage of concepts of 21 century learning design

Courses Offered



LEGO MindStorm EV3

LEGO MINDSTORMS Education EV3 enables students to build, program, and test their solutions based on real-life robotics technology. Create and command amazing **LEGO® MINDSTORMS®** EV3 robots with touch sensor, color sensor, infrared sensor and 550+ LEGO Technic elements

LEGO Wedo 1.0 & 2.0

The **LEGO®** WeDo Construction Kit is a simple robotics tool designed for ages 7–11. It allows users to design their own interactive machines, and then program them. Designed for elementary education, STEM, Lego WeDo 2.0 will enhance the child's skills in engineering, science, coding & technology while having fun.





Vex Robotics

It seeks to increase student interest and involvement in STEM by engaging students in hands on sustainable and affordable curriculum based robotics engineering programs across the U.S and internationally.

Hummingbird

The Hummingbird robotics kit allows students to create and program robots built from electronic components and craft materials. The Hummingbird is made by BirdBrain Technologies, a company devoted to cultivating creativity and computational thinking by providing flexible and inspiring products that engage students and teachers in programming and robotics



Junkbot

Junkbot is a DIY robotic kit that enables kids and adults to create and build working robots from junk at Home. The kit is based on open source Arduino.



Days of Activity : Twice a week per activity except on Tuesday
Charges : Monthly AED 300/- per Activity
AAA Coordinator : Mr. Geoffrey Blaquiere (050 2047819)
Email: geoffrey.b_kgs@gemsedu.com

Thank you.
 Regards,

Asha Alexander
Principal

Acknowledgement Slip

I would like to enroll my ward for the AAA Club.

Name of the student: _____ Grade: _____ Section: _____ Bus No: _____
 Drop off point: _____ Computer No: _____ Date of birth: _____
 Mobile No1: _____ Mobile No2: _____ Email: _____
 Activity opted: _____ Date of joining: _____
 Parent Name: _____ Signature: _____