



PHILIPPINE-EMIRATES PRIVATE SCHOOL

Khalifa City A, Abu Dhabi Philippine Emirates Private School

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Dear Parents,

Welcome to Robotic STEM!

Philippine-Emirates Private School supports ADEC's "Journey to Discovery" to help guide students in the direction to innovation in which elements of science, technology, engineering and maths (STEM subjects) are integrated into the K-12 curriculum. Students will be able to join innovation clubs where they can take part in hands-on projects that build critical thinking and problem-solving skills.

In each Robotics class, every student will have a buddy robot to work with, to plan and build a new robotic bricks, letting their creativity and imaginations loose. Along the way, they learn science and engineering concepts, such as how pulleys, levers and motors work.

As the kids' robots take shape, they experiment with scratch and arduino programming for higher level's Education's award-winning WeDo software. They discover how to apply computer programming concepts and find new ways to get their "bot" moving.

Then, the energy levels (and smiles) really reach a high point, as the kids challenge other teams to friendly games or take part in imaginative play.

At the end of each robotics class, each student will enjoy a wrap-up activity to reinforce the STEM skills learned in class.

A few reasons students will love Robotics class are the following:

- **Unique STEM curriculum.** While students having a blast creating robots, they will know that they are learning practical STEM skills.
- **Creative problem solving.** In each Robotics for Kids class, students participate in creative and challenging activities that encourage a love of science, technology and engineering at an early age.
- **Fun, hands-on activities.** Our interactive exercises engage kids' hands, as well as their minds — great for every student who learns in different ways.
- **Ongoing communication.** We keep you up-to-speed on the robotics and STEM skills your child is learning and what to expect next.
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Robotic personalize gadget/kits:

- M-BOT
- Robotic booklet

Benefits:

- Scholarship
- Chance to compete to robotic Olympiad
- Chance to become the robotic ambassador
- To be in the newspaper to promote the robotic STEM industry

For queries, please call your child's adviser or the ICT Department.

School Management Team

