Eligibility
1. Minimum of 2.0 Average in core Academic and Conduct (e.g. Language Arts, Mathematics, Science, Social Studies)
2. All effort grades in core academic classes must be a “2” or higher
3. No more than 10 unexcused absences will be allowed from the previous year

How to Apply
Applications may be obtained online. Once a completed application is received, eligibility is determined. When the number of eligible applications exceeds the number of spaces available, a computerized random selection process is used for student selection. Applications and additional information can be found at the School Choice and Parental Options Website miamicountyschools.org or rockway.dadeschools.net

SCHOOL BOARD POLICY:
2370, Magnet Programs/Schools

For More Information Visit:
rockway.dadeschools.net

ROCKWAY MIDDLE SCHOOL
9393 SW 29th Terrace
Miami, FL 33165
Phone: 305.221.8212 ext. 2294
WORK BASED LEARNING OPPORTUNITIES

Aligned with the National Mathematics and Science Standards, the Rockway Middle School Engineering and Robotics Academy offers courses which foster academic achievement and expose students to various engineering fields. Through advanced coursework that focuses on science, technology, engineering, and mathematics, students in the Academy explore the diverse disciplines of Engineering, such as mechanical, electrical, civil, computer, robotics, biomedical, and more. The Academy offers real world experiences through classroom activities and participation in local, state, and national competitions and challenges. Moreover, dedicated and highly qualified teachers provide an academic environment that nurtures problem-solving, teamwork, communication, as well as creative and critical thinking skills.

WHY ENGINEERING?

Engineering is where science and math combine to solve real world problems, improving the world we live in day by day. It applies well-established scientific principles, as well as new discoveries, to create useful and practical innovations to advance the human condition. Everything around us finds some relationship with engineering. Because of it, people no longer live in caves, and astronauts went all the way to the moon. Engineers design, build, improve, install, operate, and maintain a wide variety of products, processes, and systems. Through Rockway Middle School’s Engineering and Robotics Academy, students will design, develop, and create robots capable of performing specific tasks with application to the fields of medicine, law enforcement, military, aerospace, automotive industry, and underwater exploration.

A WORLD OF ROBOTICS

In the 21st century, people are surrounded by automated machines and systems. Technological advances allow mankind to, through engineering, design, construct, and operate robots: machines that help people with dangerous, monotonous, and/or unpleasant tasks, controlled by computer programming or remote control. Some perform jobs or explore places that humans cannot. Others assist people with disabilities, or work in hospitals helping with surgery, delivering food, or dispensing medications. There are even popular household helpers, doing chores like vacuuming and mowing lawns. There are countless potential applications for robotics and the path to discovering them is wide open!

MORE INFORMATION & TOURS AVAILABLE!

• Robotics Programmer
• Engineering
• Aeronautical Engineer
• Graphic Designer
• Civil Engineer
• Astronaut
• Electronic Technician
• Astronomer
• Architectural Engineer

rockway.dadeschools.net