

OASIS STEM ACADEMY

"We can't solve problems by using the same type of thinking we used when we created them."

- Albert Einstein

What is the Oasis STEM Academy?

STEM stands for science, technology, engineering and mathematics. The goal of the STEM academy is to bridge the gap between math and science and use elements of these subjects to solve unique problems. Students in the Oasis STEM Academy will be challenged to think creatively to solve engineering problems using their knowledge of math and science. Students will be actively engaged in the engineering process and will work with classmates to create solutions to unique problems.

Students in the program will be engaged in a discovery learning program. This means that students will be active participants in their own learning. So rather than being taught one method of completing a challenge or problem, students will try solutions and, if they do not work, they will use what they have learned to construct a new and better solution. This theme of discovery learning will be present across the entire program, including the math and science classes.

The Academy is cohort based and will extend from 6th-8th grades. Students entering the program in the 6th grade will be part of the program their entire time in the middle school. As they move up through the grades, they will encounter more challenging problems and learn more advanced technology to help them come up with solutions.

What are the goals of the Oasis STEM Academy?

- To prepare students for the unique challenges of the 21st century
- To improve conceptual and procedural knowledge of math and science
- To increase student collaboration, problem solving and communication skills

Who should apply?

Any student with an interest in math and science should apply for the program. Also, any student who likes to solve unique problems and come up with creative solutions to problems should consider applying. Only students with Level 4 or 5 on the previous year FCAT Exam (in reading and mathematics) are eligible to apply.

How do I apply?

Please see the application form on the Oasis Middle School Web Page. Turn all applications into the Oasis Middle School front office by Friday, February 25.

Question?

Please contact Mr. John Omundsen at john.omundsen@capecharterschools.org or at 541-1167 x 434