

STUDENT EXPECTATIONS

TARDIES: (Two tardies = 1 absence) Parents will be contacted for any student who has more than one tardy.

ABSENCES: Students must be in attendance 88% of the summer session and make 70% on the overall final grade point average. (Teacher recommendation will also be considered for successful completion of the program.) A final report card will be mailed home on July 1, 2016.

NON-COOPERATIVE OR INAPPROPRIATE BEHAVIOR:
Parents will be called to pick up student immediately.

ACKNOWLEDGEMENT OF UNDERSTANDING: Infractions that could lead to loss of summer school privileges and being withdrawn from the Summer Learning Academy

- Having more than 1 absences
- Having more than 2 tardies
- Possession or use of illegal substances
- Possession or use of tobacco
- Physical Violence, Fighting
- No - Gum
- Found Stealing or Cheating
- Being Truant
- Being Uncooperative
- Abusive or Profane/Defiant Language
- Disruptive Behavior
- School Uniform Required

**TRY OUT OUR
NEW ROBOTICS
PROGRAM**



USD 443 does not discriminate on the basis of race, color, national origin, sex, age, religion, military status, and/or disability. This non-discrimination policy applies to admission, employment, programs, activities, and providing equal access to Boy Scouts and other designated youth groups.

Dodge City Middle School

The mission of the STEM Summer Learning Academy is to allow students to experience academic success in developing a growth mindset thereby building their self esteem and confidence.

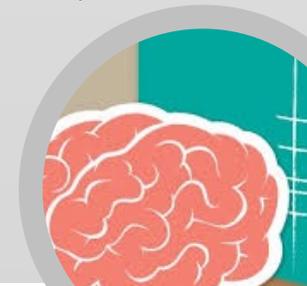
OVERVIEW

The Dodge City Middle School STEM Summer Learning Academy will place a large emphasis on developing a STEM approach to science, a growth mindset in language development and essential mathematical applications. Students will be immersed in a technology rich environment including the utilization of iPads, creating many opportunities for students to use technology in a project based learning environment. The academy will target rising 6th through 8th grade students.

The goal of the STEM Summer Learning Academy is to address 21st century literacy skills to prepare students for the next level of their education. To accomplish this goal students will explore methods in integrated problem solving, teamwork and the development of a growth mindset. The Summer Learning Academy will apply a mix of integrated studies to include science, mathematics, and the Brainology language arts program. The Brainology program will emphasize both content & process for developing a growth mindset vocabulary to be used in academic and social interactions. The program is designed to address both the cognitive and emotional components of brain structure and function.

DAYS IN SESSION

- Dates: (Monday, June 6 - Thursday, June 30)
- Days: (Monday - Thursday)
- Number of School Days: (16)
- School Day: (8:00 A.M. - 12:00 P.M.)
- Place: (Dodge City Middle School)



STEM SUMMER LEARNING ACADEMY



USE OF TECHNOLOGY

Each student enrolled in the STEM Summer Learning Academy will be provided an iPad for use in their classes. The iPad will be checked out at the beginning of the day and checked back in at the end of the day. Each student and their parent will be required to sign a user agreement prior to receiving their iPad.

LANGUAGE ARTS & BRAINOLOGY

The ELA curriculum will focus on a wide range of high-quality texts to support skill sets in understanding informational texts provided in the Brainology curriculum. Students will develop a Brainology vocabulary, and use these words to write narratives about their learning. Students write for a range of reasons: to argue a position, demonstrate understanding of a topic, and create a digital book on how a growth mindset improves learning. Students will also apply their skills by using thinking maps to

MATH APPLICATIONS

In 6th grade math, students will focus on connecting their understanding of multiplication and division to ratios and rates, developing an understanding of rational numbers.

In 7th grade math, students will focus on using their understanding of ratios and rates to solve real-world problems

In 8th grade, students focus on solving a variety of problems, and learning about the Pythagorean Theorem.

STEM CURRICULUM

DEVELOPING A GROWTH MINDSET

The purpose of the Brainology program is to help students to understand how their effort can help them learn, as well as how to improve their success. We want our students to become proactive about their learning. We want them to develop study skills and be able to explain why these skills worked or didn't in terms of a common brain-based vocabulary. To accomplish these goals our students will need to learn how to share ideas with each other, collaborate on ways to solve problems that worked for them, and how to encourage each other to be successful. The Brainology program will be taught in the ELA classroom and delivered through a combination of online instruction and classroom support materials.

STEM CAREER AWARENESS SCIENCE

Students are making choices in middle school that will impact their desire and ability to pursue STEM (Science, Technology, Engineering, Mathematics) careers. Another key feature in the curriculum is the STEM approach to career awareness. The science curriculum will provide time for middle school students to explore accurate information about STEM careers enabling them to make more knowledgeable choices about courses of study and career paths. The curriculum will be based on the [NASA Classroom Combos for grades 5-8](#).

STEM ROBOTICS IN SCIENCE

The one week robotics unit presents the basic components of robots (sense, think, act) in a fun, hands-on, and experiential way. While students observe and understand behavior they build scientific skills relevant to biology, psychology, robotics, and artificial intelligence and develop general critical thinking ability related to scientific inquiry, categorization, considering properties and characteristics, and prediction.