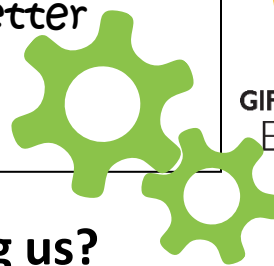


GATE Pull-Out Program Newsletter

April 2023



GATE
GIFTED AND TALENTED
EDUCATION



Where is GATE taking us?

April Standards

GS2. Students will develop creative thinking skills to generate products that will refine or challenge existing ideas using knowledge and materials in innovative ways.

April Content Standards

Science and Engineering Practices:

- Asking Questions and Defining Problems
- Developing and Using Models
- Planning and Carrying Out Investigations
- Analyzing and Interpreting Data
- Constructing Explanations and Designing Solutions

Curriculum

During the final quarter, GATE students will participate in S.T.E.M. (Science Technology, Engineering, & Math) Wars, a unit that brings the fictional movie, Star Wars to life. Students will use problem-solving skills to complete different challenges each week as well as expand their knowledge of computer science with coding. Additionally, students will build and take home something new each week as they complete their STEM Wars challenge. Some questions you might ask your student(s) this month:

Week 1: What did you create in your Hour of Code challenge? (Lesson 2)

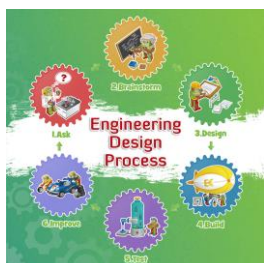
Week 2: How did you design and build your droid during the droid construction challenge? Does it move? (Lesson 3)

Week 3: Which starfighter did you make? Why did you choose that one? (Lesson 4)

Week 4: How did you design, test, and improve your starfighter launcher? (Lesson 5)

Wish List:

- Kleenex
- Clorox wipes
- Paper Towel Rolls
- Bottle Lids



What: GATE Family Enrichment Night

Where: Kellond Elementary

6606 E Lehigh Dr

(Broadway & Kolb/ 22nd & Wilmot)

When: April 5th 5:30-7:00 pm



**FAMILY ENGAGEMENT
NIGHT**

GATE Strategy

Breaking Down the Engineering Design Process

Step	Defining the Step
Ask	What is the Problem?
Imagine	What are some of the potential solutions to this problem?
Plan	What is the most promising solution that I will focus on?
Create	What can I sketch, create, and build to solve the problem?
Experiment	Does my proposed solution to the problem actually work?
Improve	How can I improve my design now that I tested it?

Contact Info

Mondays: Fruchthendler

Tuesdays: Fruchthendler

Wednesdays: GATE Office

Thursdays: Hudlow/Steele

Fridays: Howell

Email: Kelly.finfrock@tusd1.org

GATE Office: 225-3605

Email: GATEProgram@tusd1.org

Programs Office: 3233 South Pinal Vista,
Tucson, AZ 85713

Monthly newsletters will be emailed every month and also posted to the GATE Blog.

BLOG: <https://tusd1gate.wixsite.com/blog>

FACEBOOK PAGE

www.facebook.com/tusd1gate



PERSEVERANCE

RISING FROM
 FAILURES,
 OVERCOMING
 ADVERSITY AND
 NEVER GIVING UP.

GATE Program Office News:

If you have further questions about the GATE pull-out program, please contact us at GATEProgram@tusd1.org or call (520)225-3605.

To register for make-up testing, please visit: www.bit.ly/GATEMAKEUP2223

BRAIN CHALLENGE



MATH CHALLENGE

$$\text{Pyramid} + \text{Pyramid} + \text{Pyramid} = 42$$

$$\text{Pyramid} + \text{Robot} = 17$$

$$\text{Pyramid} = \text{Pyramid}$$

$$\text{Flag} = \text{Robot} \times \text{Robot}$$

$$\text{Pyramid} + \text{Robot} + \text{Flag} = ?$$