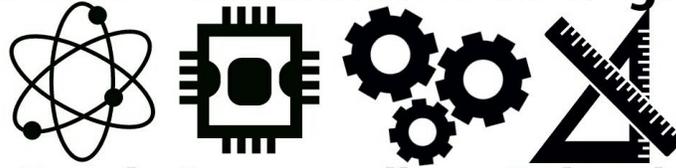




# STEM Education Challenge



## Dorris Intermediate School

### 2022-23 STEM Challenge Permission Slip

**So, what is STEM and what is the Challenge?** The acronym STEM stands for Science, Technology, Engineering, and Mathematics. STEM education helps students become curious, ask questions, and make connections to their world. It is the backdrop for students to understand how our world works. Students who participate in STEM gain a greater appreciation for Science and its impact on our daily life. Since 2011 DIS has offered this after school activity to highlight a different area of STEM and provide fun hands-on activities and experiences.

**Each student will be notified and given the opportunity to participate in their 1st Choice challenge (usually a week or so) before the challenge starts.** Each challenge will be held Thursdays after school until 5p.m. and last for one quarter. There will also be a small fee for each challenge to cover the take home supplies.

#### **To participate each student must...**

- have a respectful cooperative attitude. Remember we will be working in small groups trying to solve complex tasks. We are all here to have fun and learn.
- follow school wide expectations. Behavior issues will cause ineligibility for future STEM Challenges.
- have excellent attendance and be picked up on time.

**Each STEM Challenge starts promptly at 3:40 and ends at 5:00. Students must have a ride home at the end of the session.**

**Signed D.I.S. STEM Education Challenge slips are due by August 26, 2022 to be eligible for the first STEM Challenge.**

*\*Late applications will be considered based on available space per challenge. Permission slips are logged on a first come, first served basis. 2nd chance invitations will be offered for each challenge based on availability.\**

**I can't wait to get our 12th year of STEM started!**

**Mr. Watts**

**More information can be found on our website. Visit us at <https://disstemchallenge.shutterfly.com/>**



# Yes, I want to take the D.I.S. STEM Educational Challenge this year!

I have read all the information and understand the rules and requirements for this program. I understand that STEM Challenges require a fee to participate. Students picked for each challenge will receive a personalized confirmation. Payment will be due when a challenge invitation is sent home. **Please inform Mr. Watts if you are picked for a challenge but cannot attend ASAP.**

Student: \_\_\_\_\_ Teacher: \_\_\_\_\_

Signed: \_\_\_\_\_ Phone # \_\_\_\_\_  
(Parent/ Guardian)

Please pick the one STEM Challenge you **MOST** want to participate in, space is extremely limited for each challenge. Please do not send fees in with your permission slips.  
All slips are numbered as they come in so that it is first come first served.

<p> <b>1st Quarter (Thursdays Sep 1 - Oct 6)</b> <b>Top Gun- Take to the Sky Challenge</b> <b>\$10 Fee -Limited to 48 students-</b></p> <p>In this STEM Challenge students will learn how to fold and fly world record setting paper airplanes, make candle powered hot air balloons, and toy army men parachutes through the exploration of simple aerodynamics principles.</p>	<p> <b>2nd Quarter (Thursdays Nov 3 - Dec 15)</b> <b>Electronics STEM Challenge</b> <b>\$12 Fee -Limited to 40 students-</b></p> <p>In this STEM Challenge students will create simple circuit projects including designing with motors and LED lights. Students will make their own 1 string electric guitars to take home and be able to work with our new Crazy Circuit Kits.</p>
<p> <b>3rd Quarter (Thursdays Jan 12 -Feb 16th)</b> <b>Even More Cookin' with STEM</b> <b>\$12 Fee -Limited to 48 students-</b></p> <p>It was so popular last year, we just had to bring it back! Students learn to prepare a three course family friendly meal in this awesome STEM Challenge. Make sure you are ready for your taste buds to try new things, you never know what you are going to like until you try to make it yourself.</p>	<p> <b>4th Quarter (Thursdays Mar 17 - May 5)</b> <b>A Jurassic World STEM Challenge</b> <b>\$12 Fee -Limited to 40 students-</b></p> <p>In this STEM Challenge students will learn about the Earth's layers, how earthquakes and subduction zones change our planet, examine geological samples, grow their own crystal formations, and examine fossils and make imprints of their own.</p>

## Other School Wide STEM Opportunities

\* STEM Open House **August 15th and 16th from 4:00-6:00pm in the DIS STEM Room**

Not sure what STEM is about? Come ask questions, meet Mr. Watts, and see our Awesome STEM Room!

\*Caine's Arcade Cardboard Challenge and Family Night (**Nov 10th, 6:30 to 8pm DIS Cafeteria**)

Design and build your own cardboard creations to share for the international "Day of Play" As seen on YouTube!

D.I.S. STEM Education Challenge applications are due to Mr. Watts by **August 26, 2022** to be eligible for the first STEM Challenge.

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Applications logged are on a first come, first served basis. 2nd Chance invitations will be offered for each challenge based on availability.\*\*

## STEM Education Challenge



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# ¡Sí, quiero participar en el desafío educativo DIS STEM este año!

He leído toda la información y entiendo las reglas y requisitos de este programa. Entiendo que los desafíos STEM requieren una tarifa para participar. Los estudiantes elegidos para cada desafío recibirán una confirmación personalizada. El pago vencerá cuando se envíe a casa una invitación de desafío. Informe al Sr. Watts si lo eligen para un desafío, pero no puede asistir lo antes posible.

Estudiante: \_\_\_\_\_ Maestro: \_\_\_\_\_

Firma de padre: \_\_\_\_\_ Teléfono # \_\_\_\_\_

Elija el desafío STEM en el que MÁS desea participar, el espacio es extremadamente limitado para cada desafío. Por favor, no envíe las tarifas con sus formularios de permiso. Todos los recibos están numerados a medida que ingresan, de modo que se asignan por orden de llegada.

<p><input type="checkbox"/> <b>1er cuarto (Jueves 1 Sep - 6 Oct)</b></p> <p><input type="checkbox"/> <b>Top Gun- Take to the Sky Challenge</b></p> <p><b>\$10 -Limitado a 48 estudiantes-</b></p> <p>En este desafío STEM, los estudiantes aprenderán cómo doblar y volar aviones de papel que establecen récords mundiales, hacer globos aerostáticos accionados por velas y paracaídas de soldados de juguete a través de la exploración de principios aerodinámicos simples.</p>	<p><input type="checkbox"/> <b>2nd Quarter (Thursdays Nov 3 - Dec 15)</b></p> <p><input type="checkbox"/> <b>Electronics STEM Challenge</b></p> <p><b>\$12 Fee -Limited to 40 students-</b></p> <p>In this STEM Challenge students will create simple circuit projects including designing with motors and LED lights. Students will make their own 1 string electric guitars to take home and be able to work with our new Crazy Circuit Kits.</p>
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**STEM Education Challenge**



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