**Workshop Titles & Descriptions**

**Science (Biomedical) – Pam McGill, Janet Williamson, Lyndsey Puckett**

#S1 Workshop: DNA – Just Replicate It!
Description: Students will learn how to model the structure of DNA through its process of replication and will see how that looks in the cell world under the microscope. “Replication-just do it” why cells love to divide.

**Science (Forensics) – Tony Burnett, Mark Gustafson**

#S2 Workshop: Having Fun with Forensics
Description: Students will learn how your fingerprints are unique to you and how to tell them apart. Students will also learn how to lift fingerprints from various surfaces and identify them.

**Engineering (Robotics/Aerospace) – Michael Skrzynski, Derek Thorn**

#E1 Workshop: Robots - How does Wall-E get around?
Description: Students will learn to program their very own Wall-E to move through a maze.

**Engineering (Engineering Design) – Roy Bobo, Ken Davis**

#E2 Workshop: 3D-EZ!
Description: Students will use AutoDesk Inventor software to design a 3 dimensional mechanical part.

**Art/Technology (Digital Arts/Animation/A/V) – Evan Hoffman, Matt Brooks, Lance Moran**

#AT Workshop: Photoshop, Premiere and Maya OH MY!!!(
Description: Learn the basics of computer generated imagery through the use of one of the following - Adobe Photoshopt (still images), Adobe Premiere (video) or Maya (3D Animation)

**Math (Engineering Math, Medical Math) – Margaret Russell, Del Whiteman**

#ME Workshop - Count Me In!
Description: Students will calculate and then create customized “potions” to simulate calculating dosages for patients. Ours will be consumable and delicious! For Engineering Math, students will learn how to calculate the amount of energy required to move an object – like a student partner!

**Schedule:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30-9:00</td>
<td>Registration and Breakfast</td>
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<tr>
<td>9:00-9:20</td>
<td>Welcome</td>
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<tr>
<td>9:30-10:20</td>
<td>First Workshop</td>
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<tr>
<td>10:30-11:20</td>
<td>Second Workshop</td>
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<tr>
<td>11:30-12:20</td>
<td>Third Workshop</td>
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<tr>
<td>12:30-1:15</td>
<td>Lunch (Door prizes)</td>
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<tr>
<td>1:15-2:00</td>
<td>Panel Discussion, CTE Girls</td>
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<tr>
<td>2:00-2:30</td>
<td>Keynote Speaker Tricia Hiros, Engineer, Bell Helicopter</td>
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**Parent Workshops**

Workshop #1
Planning High School Classes

Workshop #2
College Opportunities

Workshop #3
Health/Well Being of Girls

Presented by: AAUW
Northeast Tarrant County (TX) Branch

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