Girls in 7th to 10th grades

Be part of Wow! That’s Engineering!

• Experience the creativity and innovation of engineering and technology.
• Meet women engineers and technologists and hear first-hand about these exciting careers.
• Participate in 5 hands on projects listed below.

Location: Holy Trinity Episcopal Academy, 5625 Holy Trinity Drive, Melbourne
Date: Saturday, Oct 19, 2019      Time:   9:00am – 3:30pm
Cost: $30.00 including lunch, drinks, snack, shirt, supplies

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A. It's Da Bomb</td>
<td>Become a Chemical Engineer or Quality Engineer while formulating your Bath bomb in the mad scientist lab.</td>
</tr>
<tr>
<td>1B. Sink or Swim</td>
<td>Learn about the engineering design process and the physical principles of buoyancy and displacement by working together to build a boat.</td>
</tr>
<tr>
<td>1C. Take Flight</td>
<td>Become an Aeronautical Engineer or maybe a pilot, What type of airplane will you design? Will it go the farthest or do the best tricks? Can you land it with ease?</td>
</tr>
<tr>
<td>1D. Releasing Molecules into Life</td>
<td>Learn all about tissue engineering by creating new materials that can build human organs and save lives!</td>
</tr>
<tr>
<td>1E. Minute to Win It</td>
<td>Test your skills with our 60 second challenges that use objects that are commonly available around the house</td>
</tr>
<tr>
<td>1F. Duct Tape Creations</td>
<td>Engineering comes alive with handmade creations that can be transformed from one thing to another all using duct tape while you make wallets and other creations.</td>
</tr>
<tr>
<td>1G. CSI</td>
<td>Become a Crime Scene Investigator. Look at finger prints and match it to find the “culprit.” Or look at shoe prints for your group and learn how to identify the suspect.</td>
</tr>
<tr>
<td>1H. Programming Robots</td>
<td>Learn about robots and try your hand at programming a robot to complete an obstacle course.</td>
</tr>
<tr>
<td>1I. Seismic Shakeup</td>
<td>Become a Civil Engineer and create and test structures against vibration. Will it withstand an Erath quake or a rocket launch?.</td>
</tr>
<tr>
<td>1J. Design a Dessert</td>
<td>Find out what a design engineer does as you design and construct a dessert.</td>
</tr>
</tbody>
</table>

To register online with a credit/debit card, go to our website at www.swe-sc.org/WOW
The Society of Women Engineers, Space Coast Section Presents:

**WOW! That’s Engineering**

**REGISTRATION FORM:** Pre-registration is Required and postmarked by Sept 25, 2019.

**REGISTRATION INFORMATION:** (print clearly)

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Parent Name</th>
<th>Parent Phone</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Address</th>
<th>City</th>
<th>Zip</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>School</th>
<th>Grade</th>
<th>Parent Email</th>
</tr>
</thead>
</table>

**Adult sizes**

TShirt Size (Adult sizes):

- [ ] Small
- [ ] Med
- [ ] Large
- [ ] XL

**LUNCH SELECTION:** (Check one)

- [ ] Cheese Pizza
- [ ] Pepperoni Pizza
- [ ] None

**CHOOSE YOUR MODULES:** (Choose 8 in order of preference from the list)

1. _____________________________
2. _____________________________
3. _____________________________
4. _____________________________
5. _____________________________
6. _____________________________
7. _____________________________
8. _____________________________

Note: Girls -- If you wish to be scheduled with a “buddy”, please print her name on the line to the right: _____________________________ First and last name

(Both of you must register together and select the same modules)

**PARENTAL CONSENTS AND REQUIRED INFORMATION:** (Required for student participation)

I, (print parent / guardian name) ______________________________________, the parent or guardian of the child listed above, grant permission for my child to attend the WOW! That’s Engineering Program.

I grant permission for my child to appear in photographs or videotapes while participating in the SWE sponsored WOW! That’s Engineering Program activities that may be published by the Society of Women Engineers in video form, hard copy publications and/or on a SWE Website or other publications promoting SWE programs.

Required: TWO emergency contact names and phone numbers

Required: List medications being taken: _____________________________ List allergies: _____________________________

**REGISTRATION AND PAYMENT INFORMATION:** (Registration is not complete until payment is received.)

$30.00 per person. This fee covers materials and lunch, drinks, snack and shirt. Please copy this form for each attendee and complete the Registration Information section at the top of each page. Payment by check or money order only, made out to SWE Space Coast Section.

Payment amount enclosed: _____________________________ (or enter waiver number)

**Parent / Guardian signature and date:** _____________________________

Mail this Form & Payment to: SWE, Space Coast Section, c/o A. Griffin, 2151 Savannah Blvd, Titusville, FL 32780

Questions about this workshop? Need a tuition waiver? Please email WOW@swe-sc.org

To register on-line or for more information, visit our website [www.swe-sc.org/WOW](http://www.swe-sc.org/WOW)

WOW! That’s Engineering Program – Sat. 10/19/2019 9:00am-3:30pm Holy Trinity Ep. Acad, Mlb