

# GCHS Expo Planning

## Expectations

- Be on time!
- Dismissed at 2:30PM on Thursday to begin setup at the Expo. A list will be given to teachers.
- Community Service hours will be given to participants and points toward next year's admission process.
- Represent STEM well by using manners, be courteous, talk about STEM, wear name tag, avoid congregating, and smile.
- Always have someone attending Booth, Makerspace area, or other designated STEM task.
- Wear something with a high school logo, STEM logo, or professional attire if presenting during an iKnow session. Can change after presentation. Makerspace area can be informal attire.

## Welcome Center (greet guests and presenters)

Avery Sanders (Counter)  
David Espinal-Anselmo (Front Entrance)  
Jennifer Sanchez (Table)  
Faith Hoskins (Table)  
Alaysia Exum (Table)  
Jasmina Worthington (Front Entrance)

## Volunteer (assist with setup and guest)

Theresa Carmon (setup)  
Megan Duncan (Surveys)  
Emmanuel Carrizales (setup)  
Michael Blount  
Tahliyah Joyner (Setup)  
Angelique Shackelford (Surveys)  
Chad Jackson (setup)  
Morgan Britt (setup)  
Hannah Tyson (Pictures)  
Taboris Bynum (Pictures)

## Makerspace (manage an activity)

Jareunta Williams, Deshona Rodgers, "Face Painting"  
Ivonne Valle, Kathy Machuca, Osman Soriano, "Dancing Raisins"  
Paul Miller, Matthew McMillion, "Robots"  
Mackenzie Ingle, "Rover Robot"  
Levi Miller, Darrius Moye, Deni Espinoza, "Drones Demonstration"  
Alvin Taylor, "CNC machine"  
Mario Trejo, "Neo magnet"  
Angeles Palacios, Lindsey Phillips, Stephanie Guerro, "Bracelets"  
Ikeiza Hardy, Gracie Gray, Cheley Jones, "Milk Explosion"  
Byrcen Radford, Hannah Faulkner, "3D Printer"  
Dekevon Moore, Sullivan Cain, "Mascot Robot"  
Shane Rouse, Darrius, Moye, Brianna Holmes, "Fingerprinting"  
Jill Whitson, "Aurasma"  
Daniela Martinez, Shomai Speight, "Popsicle Characters"

**Refreshments (assist with refreshments)**

Morgan Britt  
Jadia Taylor  
Marco Garcia  
Ryann Griffin  
Christopher Antonio  
Dayva Phillips  
Daniela Martinez  
Shomai Speight

**Coordinator Assistant (works with Mr. Garcia)**

Rubi Lopez  
Taylor Hill  
Deni Espinoza  
Nyia Norwood  
Kori Yelverton

**Closers (assist with placing equipment back in order)**

All STEM

**Tech Assistant assist with troubleshooting)**

Charles Coats  
Harris Jarman  
Dekevion Moore  
Gabreilla Anderson

## **iKnow Session (presenter to max of 12 guest)**

### **Session 1**

**Prentice Tyndall**  
**Pitt Community College**

The basics of measurements used in electronics and electrical engineering. Needs 6 tables for hands-on presentation.

### **Session 2**

**Jessi Kennedy**  
**Biotechnology II**

Grand Challenge presentations by two groups.

### **Session 3**

**Kristin White**  
**Physical Science**  
**Soapbox Car**

2nd Period: The Wizard's of Oz (Osman Soriano - Leader, Sully Cain, Kathy Gallegos, Jozlyn Wells)

### **Session 4**

**Ricquel Freeman**  
**Ariyahnah Smith**

Social Media, What's Trending

### **Session 5**

**Mr. Garcia and Assistants**

All About S.T.E.M. (Science, Technology, Engineering, and Math)

Learning about the high school's state recognized program and plans for middle school STEM.

### **Session 6**

**Caroline Clark**  
**Biology**  
**Portable Microscope**

Grand Challenge presentations by Macy Murphy, Peyton Beaman, Amanda Andrason, and Alex Hinson

# Grand Challenge Winners and Showcases

## Grand Challenge

### Solar Powered Vehicles

#### Carrie Miller

1. Ryan Walston (leader), Kori Yelverton, Nettezia Suggs, Jesus Pineda
2. Elizabeth Head (leader), Ulises Ortiz, Gabriella Anderson, Daniela Martinez”

## Grand Challenge

### Aqueducts

#### Rebecca Burris

1. Paul Miller, Matthew McMillion, Cindy Perez, and Jaimen Suggs
2. Hannah Faulkner, Adrian Graciano, Mary Benton, and Alysia Exum

## Grand Challenge

### Solar Powered Radios

#### Millicent Brady

1. Jeremy Rouse (leader), Ashley Murray, and David Espinal-Anseimo;

## Grand Challenge

### Cable Car

#### Lilian Corbitt

1. Justice Artis (leader), Emmanuel Carrizales, Ikeiza Hardy, and Allison Shackelford.
2. Mario Trejo (Leader), Lindsey Holloman, Domonique McCotter

## Grand Challenge

### Simple Machine

#### Lilian Corbitt

1. Daniel Crespo (Leader), Robert Jones, Angeles Palacios
2. Megan Duncan (Leader), Mackenzie Ingle, Kathy Machuca, Taylor Williams

## Grand Challenge

### Emergency Housing

#### Caroline Clark

1. Temporary Housing Structure- Taylor Hill, Faith Hoskins, Ananda Newton, Cindy Perez (Fall 14 GC Winners)
2. Temporary Housing Structure- Jeffrey Bubak and Levi Miller (3rd pd Winners Spring 2015)
3. Temporary Housing Structure- Kori Yelverton, Zanasia Bynum, Gabreilla Anderson, Jennifer Sanchez (2nd pd Winners Spring 2015)

## Grand Challenge

### Portable Microscopes

#### Caroline Clark

1. Portable Microscope- Jareunta Williams and Chad Jackson
2. Portable Microscope- Tonia Mendez, Stephanie Guerrero, Clemente Rodriguez, Marlene Villareal (Fall 2014 GC Winners)

**Grand Challenge**

**Soap Box Cars**

**Kristin White**

1. The Wizard's of Oz - Sully, Osman, Kathy - 2nd Period
2. Alpha Squad - Michael, Lauren -4th Period

**Grand Challenge**

**Solar Powered Lights**

**Kevin Sugg**

Taboris Bynum (leader)Jozlyn Wells, John Brooks Edmondson, Shane Ashley

**Grand Challenge**

**Drones to Transport**

**Kevin Sugg**

Faith Hoskins, Evita Enriquez, David Espinal, Francisco Mendoza (leader)

**Grand Challenge**

**Incubators for Disease**

**Lisa Wilson**

Adrian Graciano, Nettezia Suggs, Aniyah Jones

**Grand Challenge**

**Prostheics**

**Lisa Wilson**

Nailah Ortega, Peyton Beaman, Madison Tingen, Oshulette Gardner

**Grand Challenge**

**Biocomposting**

**Jessi Kennedy**

Avery Sanders (Leader), Faith Hoskins, Cole Lanier

**Grand Challenge**

**Hydroponics**

**Jessi Kennedy**

Matthew McMillon-Leader, Jeremy (Shane) Rouse, Macy Murphy, Lindsey Holloman

## **Miscellaneous**

### **Booth**

**Clark and Corbitt**

**Puerto Rico Presentation/ Costa Rica Sign-ups**

STEM GC T-Shirt Spring 2015

### **Booth**

**Jean Brendel**

Student Work

### **Booth**

**Burt Williams**

**Cutter Creek**