

megaGEMS

STEAM ENRICHMENT SUMMER PROGRAM FOR HIGH SCHOOL GIRLS
THE UNIVERSITY OF THE INCARNATE WORD

JENNY STEWART & STEPHANIE WEISS-LOPEZ

STEAM...

- NUTRITION
- CODING/PROGRAM
- WEB DESIGN
- ROBOTICS
- CHEMISTRY
- BIOLOGY
- PHYSICS
- ENGINEERING
- METEOROLOGY

Reaching to new boundaries...

Judson ISD

San Antonio ISD

Southside ISD

Girls Inc.

Northeast ISD – new for 2020



Transportation...

- ❖ Daily to & from UIW
- ❖ No cost to campers



Nutrition...

- ❖ Breakfast
- ❖ Lunch
- ❖ Snack & take home snack



Future chefs...

The science of cooking



Daily Activities...

megaGEMS	Monday	Tuesday	Wednesday	Thursday	Friday
Time	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun
8:30-9:00am	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00-11:00am	Icebreakers/	EV3	GEEK BUS	Trevino	Meteorology - activity
11:00-11:10am	Break	Break	Break	Break	Break
11:10-12:30	Slime/ Toothpick tower	Creative Programming	GEEK BUS	Trevino	EV3
12:30-1:30pm	Lunch	Lunch/Guest Speaker	Lunch	Lunch	Lunch/Guest Speaker
1:30-2:45pm	EV3	GS (Dr. Labay)	GEEK BUS	Creative Programming	Nutrition sushi
2:45-3:10pm	Snack	Snack	Snack	Snack	Snack
3:10-4:00pm	EV3	EV3	GEEK BUS	EV3	EV3
4:00-4:15pm	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling
4:15-4:30pm	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus
	Monday	Tuesday	Wednesday	Thursday	Friday
Time	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun
8:30-9:00am	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00-11:00am	Egg Drop	Creative Programming	Dr. Kumari	Creative Programming	FLL Obstacles
11:00-11:10am	Break	Break	Break	Break	Break
11:10-12:30	Elephant Toothpaste	FLL Obstacles	Dr. Kumari	FLL Obstacles	Competitions
12:30-1:30pm	Lunch	Lunch	Lunch	Lunch/Guest Speaker	Lunch/Nutrition
1:30-2:45pm	Nutrition muffin	FLL Obstacles	Dr. Kumari	Green Screen	Posters
2:45-3:10pm	Snack	Snack	Snack	Snack	Snack/Posters
3:10-4:00pm	EV3	FLL Obstacles	Dr. Kumari	FLL Obstacles	Posters/Pictures
4:00-4:15pm	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling	Clean up & Journaling
4:15-4:30pm	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus	Pick up snack & Load bus

Research Camp

Took personal interest of the girls and related it to STEAM fields.



Haptic Research...

Dr. Thomas M. Evans

University of the Incarnate Word
President



Solar Research...

Solar pizza oven & healthy nutritious recipes



Unmanned Aerial Vehicle (UAV)

16 year old - FAA Licensed Drone Pilot



What is research?

Writing and Presenting Scientific Research



Special visits...

HEB Beauty Department

- ❖ Promoting healthy body and mind



Congressman...

William Hurd

Texas 23rd

Congressional District



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- ▶ UIW Shuttle Services
- ▶ Dr. Michael Frye
- ▶ UIW AVS Lab
- ▶ For more information:
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