

GEAR UP  
STEM Club  
Initiative  
Spring &  
Summer,  
2019



TI-Innovator™ Rover, Breadboard Ribbon Cable  
and I<sup>2</sup>C Cable



TI-84 Plus CE graphing calculator  
or TI-Nspire™ CX handheld



TI-Innovator™ Hub with TI LaunchPad™ Board  
power cable and wall adapter

USB unit-to-unit cable



## STEM Club Initiative Goal

- **The Region One ESC GEAR UP partnership grants are offering an opportunity to increase STEM opportunities through coding. Our grant objectives include increasing students' and parents' knowledge and skills, including STEM-Computer Science skills to prepare them to be informed, thoughtful, and productive citizens. This STEM initiative allows cohort districts the ability to provide a technology-rich environment and rigorous academic opportunities to serve GEAR UP cohort students.**
- **The district has, by committing to this initiative, agreed that the designated teachers will assist the GEAR UP facilitator in developing an implementation plan for the STEM Club initiative. This plan will ensure that cohort students participate fully in weekly STEM Club meetings during April and May of 2019 and a STEM Club 2019 Summer Camp.**

# Professional Development

## Day 1

- at designated locations March 21/22, 2019 with a Texas Instruments Consultant.

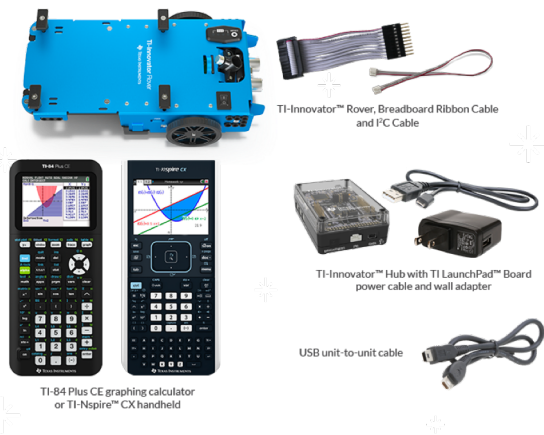
## Day 2

- at your campus with your GEAR UP Facilitator instructed by a Texas Instruments Coach.

GEAR UP Facilitator will communicate with the coach and arrange for substitutes for both teachers.

# Technology

- Each campus participating in the STEM Club initiative will receive the following:
  - 6 Texas Instruments Innovator Rovers with 6 Texas Instruments Innovator Hubs
  - 15 Texas Innovator Hubs  
(Texas Instruments Nspire CX handhelds to be provided by the district)
- The equipment will stay with the STEM Club for use with GEAR UP cohort students through 8<sup>th</sup> grade and will stay at the middle school campus once the students move to high school.



# Coaching

Texas Instruments coaches will provide additional support to GEAR UP Campuses participating in the STEM Club initiative.

They will visit each campus for a one-day, on-site workshop to continue professional development, provide technical assistance, and help plan the GEAR UP STEM Club 2019 Summer Camp.

GEAR UP Facilitators will communicate the needs of the teachers with the coaches and Region One ESC STEM Education Specialists.

# Planning

Upon return to the campus, teachers are to meet with the GEAR UP Facilitator to plan the weekly meetings for April and May.

They will need to complete the *STEM Club Implementation Plan-Spring 2019* and return to Claudia Gutierrez [cgutierrez@esc1.net](mailto:cgutierrez@esc1.net) by Friday, March 29, 2019.

As the STEM Club meets on a weekly basis, the sponsors and GEAR UP Facilitator will plan for a STEM Club 2019 Summer Camp. They will complete the *STEM Club Implementation Plan-Summer 2019* and return by Friday, May 24, 2019.

# Contact Information

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