Welcome to the NGCP National Webinar

Brite 2021: Sharing Strategies and Learnings from an Online Summer STEM Program for Girls

Tuesday, October 19, 2021

Please respond to the poll and introduce yourself in the chat. Use the chat to ask questions, respond to one another, and share resources.
NGCP Vision

The vision of the National Girls Collaborative Project is to support and create STEM experiences that are as diverse as the world we live in.
Create the tipping point for gender equity in STEM by using the leverage of a network and the collaboration of individual girl-serving STEM programs.

Maximize access to shared resources within projects, and with public and private sector organizations and institutions.

Strengthen capacity of existing and evolving projects by sharing exemplary practice, research, and program models, outcomes, and products.
NGCP Activities
National Network of Collaborative Teams
Brite 2021: Program Basics

• Two-week summer program for girls 13-16
• Interaction and learning with diverse role models
• Authentic, hands-on learning experiences with real world application

Program Goals:

• Foster STEM identity: belief in self, image, and ability
• Foster STEM agency: decision-making about STEM
• Build a community of girl learners and a support network among them
• Spark curiosity and creativity
Speakers

Jessica Hernandez
Milwaukee School of Engineering (MSOE)

Isabella
Student with MSOE Brite program

Jennifer Hartsell Stockdale
Educator with Williamson County 4-H

Rinaz
Student and Youth Educator with Williamson County 4-H
MSOE Brite Small Group Experience, Strategy and Tips

NGCP WEBINAR - BRITE 2021
Strategies for Online Facilitation

- MS Teams group orientation
- Held no expectations around activities and collaborative discussions
  - Encourage community and self-care
- Made Edmodo small group page the primary information source.
  - Treated our small group page like a social media page
  - Reposted details on activities
  - Reinforced the idea that the small group page was OUR page to connect and share.
- Participated in Flipgrid activities
- Asked for Girls’ feedback
Typical Edmodo Small Group Agenda Post

Day 6: Tuesday, July 20

Icebreaker: The Joys and Challenges of Quarantine Icebreaker

- In your Brite Group, you shared one joy and one challenge that came about during the past year of quarantine.
- Now, record a short video of your memory to Flipgrid.
- Remember to respond to posts from other girls in the Brite community!

Brite Talk with Dorothy Tovar

- Zoom link: https://us02web.zoom.us/j/83441653377?pwd=OHBQVHV6NkpUQTJmaHg3cUR0MFVGQT09&from=addon
- Meeting ID: 834 4165 3377  Passcode: 106679
- Dorothy studies microbiology and immunology.
- Watch Dorothy’s If/Then Ambassador video, link is https://ifthen.widen.net/‌view/video/dxtko1pqn/EPK_IfThenSummit_DorthyTovaVideo-1_jw_V2.mp4?
- Download=true&use=sz4wac01&x.portal_shortcode_generated=4gdysmsw]&x.
- app=portals
- Read or listen to Dorothy’s interview with the Association for Science and Technology Centers: audio link is https://www.astc.org/wp-content/uploads/2020/04/Dorothy_Tovar_QnAQndA_editd.m4a; article link is https://www.astc.org/astc-dimensions/qa-with-dorothy-tovar/

Independent Activity: Public Service Announcement

- Today you will research a common virus and record a public service announcement (PSA) to inform people of the best ways to prevent the spread.
- Use the National Foundation for Infectious Diseases webpage to research a disease of your choice.
- Record and upload your PSA to Flipgrid.
- Your PSA should include:
  - 1 fact about transmission (how people get infected)
  - 2 strategies to prevent or slow the spread
  - 1 message of hope for the community
The Brite Educator Guide (along with the regular NGCP Edmodo postings) provided us with the structure needed to prepare for our role models.

Prep also took the form of daily agenda postings prior to start time. By Week 2, after receiving feedback, the class had a daily breakdown of the week e-mailed in advance. [See Next Slide]

No formal debriefing was done.
BRITE: Welcome Back for Week 2!

Hernandez, Jessica
From: Meyer-Steinmetz, Jenna

You replied to this message on 7/20/2021 3:46 PM.

Week 2 Additional Resources.pdf
171 KB

Week 2 Additional Resources.pdf
171 KB

THEME:
This week’s theme is “Dream Big, Take Risks.” This week will feature role models and activities that introduce you to audacious careers in STEM. (Just in case, “audacious” means “showing a willingness to take surprisingly bold risks.”) This week we ask the question, “What risks are you willing to take for the sake of science?” and learn exactly what current female leaders are risking in pursuit of knowledge, passion, and care.

DAILY BREAKDOWN:

Mondav
July 19

• 11:55 AM – 12:05 PM | Log-in (Teams meeting link)
• 12:05 – 12:10 PM | Introduction to the week
• 12:10 – 12:30 PM | Icebreaker Activity: Water Babies (Create your own Flipgrid post for the Icebreaker Activity during the break from 12:45 – 1PM.)
• 12:30 – 12:45 PM |

• Prepare for BriteTalk with speaker Leslie Townsell, Leslie’s research explores the impacts of climate change on oyster aquaculture along the Georgia coast.
• Watch this Video: How Oysters Keep Oceans Clean | Mission Unstoppable
• Browse Leslie’s professional website: https://leslietownsell.weebly.com/mygate
• Introduce the correlating Independent Activity: The Ocean Game. (Create your own Flipgrid post for the independent activity after BriteTalk. If you wish, rejoin Teams meeting anytime from 2:00 – 3:00 PM for help, to collaborate with others, or to work in solitude.)
• Go over Flipgrid and how to post. Username format: <first name><last name initial>_msoe (Ex. Jane Dallas would be janed_msoe)
• 12:45 – 1:00 PM | Break! (Create your Flipgrid post for Icebreaker Activity)
• 1:00 – 2:00 PM | BriteTalk with speaker Leslie Townsell (Zoom meeting link) Meeting ID: 829 8710 8966 Passcode: 862561
• 2:00 – 3:00 PM | Independent Activity: The Ocean Game (Record a reaction video to the Independent Activity on Flipgrid.)
• Coming Up Tomorrow | You will meet Dorothy Tovar tomorrow. Dorothy studies microbiology and immunology.
• Watch Dorothy’s If/Then Ambassador video.
• Read or listen to Dorothy’s interview with the Association for Science and Technology Centers:
  • Article Q&A with Dorothy Tovar; Recording Audio of the interview

Tuesday
July 20

• 11:55 AM – 12:05 PM | Log-in (Teams meeting link)
• 12:05 – 12:15 PM | Icebreaker Activity: The Joys and Challenges of Quarantine (Create your own Flipgrid post for the Icebreaker Activity during the break from 12:45 – 1PM.)
• 12:15 – 12:45 PM |
Strategies for Connecting and Engaging with Girls & for Helping Girls Connect & Engage with Each Other

- **Fill your own cup** first before filling others.
- **Be real.** Revel who you are, your interests, and your values.
- **Treat your Girls as equals**, because they are.
- **Learn who your Girls are.** Listen (really listen) and ask them questions. [See Next Slide]
- **Don’t be afraid to go off-script**. Some of our greatest bonding moments were also some of our most vulnerable moments. All emotions are valuable.
- **Do the Flipgrid activities** (do them), watch and comment on the Girls’ videos, highlight their strengths; **learn about your Girls!**
Examples of My Personal Edmodo Shares

Self-Care Reflection Topic

Fun Animal Deck Self Care Card Pull

Sharing my appreciation of beautiful hair
Examples of Girls Personal Edmodo Shares

Ariana sharing her first book draft July 13!

Facilitating connections, highlighting strengths and suggesting a collaborative project

Ariana reaching out July 15 to connect with others!

Annie starting a short film project and getting interested parties!
2021
Brite

JENNIFER HARTSELL STOCKDALE
WILLIAMSON COUNTY TENNESSEE 4-H
20 girls
3 added from word of mouth after we started
Yamile Toussaint Beach
Nicole Stott
Munira Tayabji
Mariel Robles
Leslie Townsell
Dorothy Tovar
Amanda Sullivan
Jess Phoenix
The Stories Rocks Tell

Jcss Phoenix

Volcanologist, TV Host, Extreme Explorer
Panel and Q & A
Action Item

What strategy or lesson learned will you apply to your own programming?
Upcoming NGCP Events

Hosting ‘Girls STEAM Ahead with NASA’ events:
Tips on using free NASA resources
November 3, 2021 at 11:00am Pacific / 2:00pm Eastern

Innovative Strategies from the Field:
Leveraging the IF/THEN® Collection
November 8, 2021 at 11:00am Pacific / 2:00pm Eastern