

PARTICIPATION AGREEMENT

Program Name and Dates: _ Girl Scout STEM Power Hour @Duke University Nov. 7, 2020_ (“**Program**”)

Participant Name: _____ (“**Participant**”)

Parent or Legal Guardian Name: _____ (“**Parent/ Legal Guardian**”)

This Participation Agreement (the “**Agreement**”), effective as of the date of signature by the Parent/Legal Guardian, is entered into by and between Duke University and Parent/Legal Guardian. For good and valuable consideration, the parties agree to the terms set forth in this Agreement.

This Agreement must also be signed by the Participant, which signature reflects that the Parent/Legal Guardian and Participant have reviewed the Agreement and have discussed the Program in detail, including that the Program may have risks, that Participant’s participation is voluntary, and that the Participant understands and agrees to all of the terms of this Agreement, including but not limited to the behavioral expectations.

Program Description: Participant will participate in STEM-based activities via Zoom. Before the Program begins, Girls Scouts NC Coastal Pines will mail a package to Participant with items necessary for hands-on portions of the activity selected by Participant and Parent/Guardian, and described in more detail below. Program is sponsored by Duke, Girl Scouts NC Coastal Pines, and Triangle Women in STEM volunteers.

Participants will participate in one of six STEM activities (please indicate which activity Participant will do below).

_____ DNA and Biotechnology: Participants will perform hands-on scientific procedure to extract DNA from wheat germ. They will learn about wheat germ cells, the nucleus, and how DNA acts as a recipe for the cells by providing the necessary information for all cellular activities. Learn why we only use the germ of the wheat and where the DNA lives in the cells. Learn how DNA acts as a recipe for cells by providing the cells with important information. Extract DNA from the cells. Learn ways DNA extraction might be used in biotechnology.

_____ Science of Cosmetics: Participants will learn about chemical engineering and its role in the Cosmetics industry. Participants will learn how chemicals mix together and form new useful products that can be used as cosmetics and self care products. They will create their own chemical engineering project by using household items to make two do it yourself cosmetics – bath bombs and a natural deodorant. We will talk about branding of products and the importance of marketing to contribute to a successful product PLEASE NOTE: This activity is not suitable for any Participants who are allergic to nuts or any other ingredient. Bath bombs and deodorant will contain baking powder, coconut oil, apple cider vinegar, coloring pigment, arrowroot powder, baking soda, shea butter, and essential oils. Parent/Legal Guardian understands that Participants will create bath bombs and deodorant, and approves Participant creating and using the products.

_____ Cyber Security: In this workshop students will learn Cybersecurity Awareness, how to spot a Phishing Attempt, gain insight into how companies Prevent & React to a Breach, and gain knowledge of Common Cyber Terminology. In this interactive, multimedia presentation, participants will follow key employees at the fictional company, Senzai, as they are presented with a cyber breach incident. The employees will need to respond to mitigate the threat that they are facing. At several points during the presentation, the participants will have the opportunity to cast a vote on how they would respond in this situation for a live interactive experience. The presentation then continues according to the direction chosen by the participants. This session will be hosted by a member of Fidelity Investment’s Enterprise Cybersecurity team. The participants will have the opportunity to learn from teachable moments throughout the presentation and time to have your questions answered. Their decisions on ‘WHAT TO DO NEXT’ will be reviewed and what potentially would happen next based on your decision.

_____ Clean Energy (Wind Power): In this lesson, participants will examine wind power—a renewable energy resource with increasing importance to our society. Participants will learn how to harness wind power by constructing turbine blades. They will test the effectiveness of their blade design by attaching the blades to a small motor to see if they are able to lift an object. Through this activity, participants will come to understand what makes wind turbines function and learn how wind energy can be converted to usable electricity. This type of instruction supports participants in developing critical thinking, collaboration, reasoning, and creative skills to be competitive in the 21st-century workforce.

_____ Zoom in to Insects! In this workshop participants will learn basic principles of light and scanning electron microscopy. In addition, participants will learn basic insect biology, as well as gaining an understanding of STEM careers that use microscopy. Hand-held magnifiers and two different microscopes will be used to explore the dramatic details of beautiful insects up close, learn about insect biology, and view samples the students collected prior to the event. In addition, the students will decide which insects we will look at under the microscope, what parts of the insects to zoom in on and what parts we save pictures of.

_____ X-ray Paleontology of Duke Lemurs: Participant will learn: basic principles of x-rays and micro-computed tomography (MicroCT); basic modern lemur biology and paleontology of ancient lemurs; and about STEM careers that use computed tomography. Kits with pre-made “paleontology kits” will be sent to participants prior to event. Kits will include a 3D printed fossil or modern lemur bone – scanned from the collection of the Duke Fossil Lemur Center – partially buried in plaster. The participants will inspect the “fossil” and try to draw what they think the complete fossil looks like based on just a small portion of the 3D print that is exposed. We will talk about some basic lemur anatomy and try to narrow down what the 3D print could be. We will talk about ways that we could get to this fossil, including digging it out (possibly destructive), or scanning it in a CT machine (non-destructive). We will discuss what X-rays are and how a CT is used in various STEM fields. We will focus on how researchers like those at the Duke Lemur Center use CT to study modern and ancient lemurs. Participants will be able to “excavate” their fossils for a period of time to see how difficult the task can be, and then we will go over how we can digitally excavate the same fossil using X-rays. Other examples of CT scanning will be used to highlight the diverse range of materials that are often studied with X-rays and CT.

Parent/Legal Guardian is required to be present for the duration of the Program to supervise Participant if Participant is under age 13.

Parent/Legal Guardian further acknowledges and understands that participation by Participant in the Program includes risks inherent to the online setting, such as, but not limited to, the risks of data mining, phishing, viruses, malware, data breach of online information, cyberbullying, exploitation, victimization, cyber stalking, online grooming, cyber predators, and image replication.

Duke reserves the right, in its sole discretion, to add, modify, or remove elements of the Program or cancel the Program.

Parent/Legal Guardian is responsible for ensuring that Participant has sufficient technology and equipment, as needed, to be able to participate fully in Program. Additionally, Parent/Legal Guardian is responsible for maintaining or deleting any accounts Participant may create as part of the Program.

Parent/Legal Guardian agrees that he/she will not, and that Participant will not, access the Program from outside of the United States.

A. Behavioral Expectations of the Participant

1. Parent/Legal Guardian understands and agrees Participant must in all cases and at all times act with a high regard for the privacy, property, health, and safety of Participant and others, and Participant must follow and not deviate from all the directions and procedures communicated to Participant by those operating the Program.

2. Parent/Legal Guardian further agrees that Participant will use the Program's technological platforms, including any associated online resource, tool, or account, only for lawful, program-related purposes, and that Participant will exhibit appropriate behavior online. Parent/Legal Guardian agrees that Participant should not assume that files or communications created or transmitted using the Program's technological platforms or tools will be private. Duke may review files and monitor communications to maintain system integrity and to ensure compliance with Duke policies and applicable laws and regulations. Duke reserves the right to take appropriate action, up to and including dismissal from the Program without refund, based on the Participant's inappropriate or illegal use or use that is in violation of Duke's policies.
3. Parent/Legal Guardian and Participant will contact Program staff if at any time Parent/Guardian or Participant feel uncomfortable about online activity related to Program.

B. Use of Photographs, Recordings, and Participant Work: Parent/Legal Guardian gives permission and consent to allow photographs and video and audio recordings to be taken of Participant during the Program. Parent/Legal Guardian further gives permission and agrees that (i) photographs or video or audio recordings of Participant taken during the program, and (ii) writings and other Participant work produced during the Program, may be used in perpetuity in Duke products, publications, web sites, and/or social medial channels.

C. Reasonable Accommodations: Parent/Legal Guardian has read, understands, and acknowledges the requirements of the Program and represents that Participant is able to meet those requirements. For Participants with disabilities who anticipate needing accommodations or who have questions about physical access, Parent/Legal Guardian may contact Holly Leddy at 919-660-4380 in advance of the Program.

D. Assumption of Risk; Release and Waiver of Liability

1. The Program may involve privacy risks, property risks, and/or risks to health and safety, including but not limited to those described in the Program Description. Parent/Legal Guardian agrees to accept and assume all present and future risks, known or unknown and whether described in the Program Description or not, to privacy, property, and/or to Participant's health and safety that may arise from or be caused by Participant's participation in the Program. Parent/Legal Guardian agrees that he/she has explained these risks to the Participant.
2. In return for and as a condition of Duke providing Participant with the opportunity to participate in the Program, and having read and understood this Agreement, including this Release and Waiver of Liability, Parent/Legal Guardian hereby agrees to the following:
 - a) **TO RELEASE, WAIVE, DISCHARGE, AND COVENANT NOT TO SUE** Duke University, its affiliates, trustees, officers, employees or agents, and all other persons or entities involved in the Program (hereinafter referred to as "**Releasees**"), (i) for any liability, claim, and/or cause of action arising out of or related to any loss, damage, injury, or harm of any sort, including injury or death, that may be sustained by Participant and (ii) for loss of or damage to any property belonging to Participant and/or Parent/Legal Guardian; and that occurs as a result of participation in the Program.
 - b) The release, waiver, discharge, and covenant not to sue as expressed in this waiver and release is given pursuant to the Uniform Contribution Among Tortfeasors Act, North Carolina General Statutes Section 1B et seq. It is the intention of Participant and Parent/Legal Guardian to both release any and all claims against Releasees and to relieve Releasees from any liability to make contribution to other tortfeasors on account of any claims.
 - c) If Participant deviates from any aspect of the Program and engages in a personal activity that is not part of the Program, such deviation is purely voluntary and Releasees shall not be liable for any injuries resulting or arising out of such deviation.

E. Governing Law: The laws of the State of North Carolina, without regard to principles of conflicts of laws, govern this Agreement. Any action based on or arising out of this Agreement shall be brought and maintained exclusively in the Durham-based State of North Carolina court or the Federal District Court for the Middle District of North Carolina.

PARENT/LEGAL GUARDIAN:

Print name: _____

Signature: _____

Date: _____

I am the Parent/Legal Guardian of the above-named Participant. I certify that, before signing this Agreement, I have obtained written permission from any person who is otherwise legally entitled to custody of the Participant during the Program, to the effect that the Participant may fully participate in the Program.

PARTICIPANT:

Print name: _____

Signature: _____

Date: _____

My Parent/Legal Guardian has reviewed this Agreement with me and has explained that the Program may have risks and that my participation is voluntary. I understand and agree to all of the terms of this Agreement, including, but not limited to, the behavioral expectations.