



Study Title: NSF INCLUDES DDLP: EMERGE in STEM (Education for Minorities to Effectively Raise Graduation and Employment in STEM) Principal Investigator: Dr. Greg Monty

Dear Parent,

You are being asked to allow your child to participate in a research study conducted by Dr. Greg Monty from the College of Engineering, Center for Energy Research and Technology, at North Carolina A&T State University. Before you give your permission for your child to participate, it is important that you read the following information and ask as many questions as necessary to be sure you understand what your child will be asked to do.

Purpose of the Study:

The purpose of this study is to study the impact of educating students about STEM careers and opportunities during both in-school and out-of-school STEM activities. Students that participate will receive both training in STEM skills, and information about STEM careers. It is believed that career exposure will bring more students, and particularly underrepresented minorities and women into STEM pathways to the STEM workforce.

What Your Child Will Do:

If you agree to allow your child to participate, and if they participate in STEM activities either in-school or out-of-school, they will be asked to fill out a pre- and post- survey that will be nearly the same survey for all STEM activities (>90% exactly the same). In some events, student's pictures or videos might be recorded, and then advertised in the EMERGEinSTEM.org website. Our study involves a survey, but the child can skip questions that makes them uncomfortable, and can stop the survey at any time. Our study involves your child's class or STEM activity and some of the instructional time as led by their teachers who will choose STEM activities for the class. Elements of STEM careers and opportunities for your child that are expected to improve your child's interest in STEM will be presented. Your child will not miss any instructional time, and will receive the exact same benefits from their instructional activities, even if they do not participate in the study by filling out surveys.

Time Required:

Participation will take approximately 15 minutes to fill out a pre- and post-survey for the research study. If the student participates in numerous STEM activities (summer camps, career fairs, science fairs, mentoring programs, science clubs, internships, work study programs, etc.), they may be asked to fill out a pre- and post-survey for each STEM activity (whether they last for one day, one week, or an entire semester or summer). Again, only 15 minutes will be needed for each survey completion that will be performed online. All STEM activities will take place at the in-school or out-of-school location associated with the activity. It is not defined by the research program, but by the STEM activity leadership.

Risks or Discomforts:

Your child will not be at risk for any activity related to this research program. However, if there is any situation that concerns you or your child, the child may discontinue participation at any time, either temporarily or permanently. There are no anticipated risks in this study.

Benefits of the Study:

Elements of STEM careers and opportunities for your child that are expected to improve your child's interest in STEM will be presented during STEM activities both in-school and out-of-school. It is believed that this will benefit your child directly, and may encourage them to enter and/or remain in a STEM career pathway all the way through high school, college, and into the workforce.

Compensation:

Your child will not be paid to participate in this study.

Confidentiality:

All information collected in this study will be kept strictly confidential to the extent permitted by law. The information your child gives in the study will be handled confidentially. Your child will interface with the surveys through a personal userID system, so that no survey response can be directly tied to your child. Your child's name will not be used in any report. The data will be kept in a password-protected computer to which only three researchers will have access. Moreover, personal information from your child will be kept secure in a separate database/location that only the Principal Investigator, Dr. Greg Monty, and two other





research leaders will have access to. Personal identifier information will be destroyed within 1 year after the completion of the study.

The information that your child gives in the study will be anonymous. Your child's name will not be collected or linked to his/her survey answers.

Costs for Participation: Although there are no costs to be in the EMERGE in STEM research study, there may be costs associated with both in-school and out-of-school STEM education activities. These costs are defined/handled separately by each organization that offers/conducts STEM education activities, and are not related to the research project. Your child does not have to participate in any out-of-school STEM educational activities. Participation is totally voluntary, except for the in-school activities that a grade 4-12 school teacher may assign to your child as part of the normal educational process within GCS.

Voluntary Nature of Participation:

Participation in this study is voluntary. If you decide to allow your child to participate, you are free to withdraw them at any time. Your child may also refuse to participate or discontinue participation at any time. Not participating will in no way affect your child's grade or status as a student or result in loss of benefits or services to which your child is otherwise entitled.

Questions about the Study:

If you have any questions about your child's involvement in this project, you may contact the researcher, Dr. Greg Monty, at 336-285-3218 (cell) or by email at ghmonty@ncat.edu.

If you have any study-related concerns or any questions about your child's rights as a research study participant, you may contact the Office of Research Compliance and Ethics at North Carolina A&T State University at: email: rescomp@ncat.edu, tel: 336-285-3183.

Statement of Consent:

I have read the above information and have received answers to any questions I had. I am at least 18 years of age or older and voluntarily consent to have my child take part in this study.

Printed Name of Child

Student ID Number (9-12 digit, no letters)

Printed Name of Parent/Legal Guardian

Consent Signature of Parent/Legal Guardian for Research Study

Date: _____

Additional Signature Requested: I would like to take pictures of, video record, and/or audio record your child during some STEM activities. We would like to use the pictures and recordings on the EMERGEinSTEM.org website to show the success of various STEM activities throughout the 2 years of the Pilot (Nov 1, 2017 to Dec 31, 2019).

- Yes, you may make pictures/audio/video (digital media) records of my child, and post on the EMERGEinSTEM.org website.
- No, you may not make pictures/audio/video records of my child.

Permission Signature of Parent/Legal Guardian for Digital Media Records

Date: _____

Signature of Principal Investigator

Date: _____

