



J. Alvin Wilbanks  
CEO/SUPERINTENDENT

## NORTH GWINNETT MIDDLE SCHOOL

170 Peachtree Industrial Boulevard  
Sugar Hill, Georgia 30518  
(678)745-2300, FAX (678)745-2348

*“Constructing Excellence;  
Building Leaders for Tomorrow”*

WANDA F. LAW  
Principal

TANIA BETHEL  
Assistant Principal

LORI BLANCHARD  
Assistant Principal

DR. DOUG CALLAHAN  
Assistant Principal

HUNTER McRAE  
Assistant Principal

DR. STACEY SCHEPENS  
Assistant Principal

TAMEKA STRONG  
Assistant Principal

February 10, 2020

Dear Parents and Rising 8<sup>th</sup> Grade Students,

North Gwinnett Middle School is excited to offer the year-long **Foundations of Engineering & Technology** class for the 2020-2021 school year. This high school level class is the pre-requisite for classes in the Engineering Technology Career Pathway available through Gwinnett County Public Schools' Technical Education Programs. Successful completion of this class enables students to earn a high school Carnegie unit credit for the Foundations of Engineering & Technology elective and take other Engineering & Technology Pathway electives in high school.

In this engineering technology class, academic knowledge and skills to be learned include:

- application of math and science principles to an engineering design solution
- employability skills
- history of technology and engineering
- application of engineering design graphic techniques and computer aided drafting and design to communicate design specifications
- application of fundamental principles of the engineering design process

If you would like the opportunity to register for this class, please complete the Student Application and Self Evaluation and return it to the front office at North Gwinnett Middle School by **Friday, February 21, 2020**. It is very important to adhere to this deadline. Space for these classes will be limited, as we only have two available classes. If you have any questions feel free to contact me by email: [Leigh.A.Spooner@gcpsk12.org](mailto:Leigh.A.Spooner@gcpsk12.org) or [Cheri.Nations@gcpsk12.org](mailto:Cheri.Nations@gcpsk12.org).

Please note your acceptance into this course does not guarantee future entry into North Gwinnett High School's CHARGE<sup>north</sup> program as a 9<sup>th</sup> grader. The CHARGE<sup>north</sup> application process is managed by the high school.

Sincerely,

Cheri Nations and Leigh Spooner  
Engineering & STEM Teacher  
North Gwinnett Middle School  
170 Peachtree Industrial Blvd.  
Sugar Hill, GA 30518  
(678) 745-2300

**STUDENT APPLICATION for  
Foundations of Engineering & Technology  
(DUE to the NGMS Front Office by Friday 2/21/2020)**

Student Name- \_\_\_\_\_

Student ID Number - \_\_\_\_\_

1. Are you currently taking any year-long 7<sup>th</sup> grade Connections classes? Please Circle: Band, Chorus, Orchestra, Foreign Language, Guitar, or Other Year-Long Connections class: \_\_\_\_\_
  
2. Why would you like to take the Foundations of Engineering & Technology class?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Are you interested in taking other courses in the Engineering Pathway (Engineering Concepts and/or Engineering Applications) as part of your high school experience? If yes, which classes?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
4. This class will be taught with a high school curriculum and expectations. Do you believe you are self-motivated and responsible for completing projects and tasks by given deadlines? Please explain:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Do you currently have experience with Computer Aided Drafting/Design software? If yes, what software?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SELF EVALUATION FORM for  
Foundations of Engineering & Technology Application  
(To be completed by the student - DUE to the NGMS Front Office by Friday 2/21/2020)**

Student Name \_\_\_\_\_

Homeroom Teacher \_\_\_\_\_

**CIRCLE the number corresponding to your self-rating for the following attributes:**

	<b>Needs Improvement</b>	<b>Satisfactory</b>	<b>Excellent</b>
<b>Self-motivated</b>	1	2	3
<b>Problem Solver (Ability to solve problems on your own)</b>	1	2	3
<b>Responsible, Dependable, Reliable</b>	1	2	3
<b>Computer Skills</b>	1	2	3
<b>Collaboration (Ability to work well in groups)</b>	1	2	3
<b>Self-discipline (Stays on task and completes assignments on-time)</b>	1	2	3
<b>Honest, Trustworthy</b>	1	2	3
<b>Organized, Follows Directions, Attention to Detail</b>	1	2	3
<b>Courteous, Shows Respect</b>	1	2	3
<b>Creative Thinker</b>	1	2	3
<b>Confident</b>	1	2	3

**Your Total Score** \_\_\_\_\_

Write a paragraph to summarize your personal skills.

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I am requesting consideration for the **Foundations of Engineering and Technology** class, a year-long high school level course (eligible for a Carnegie unit credit upon successful completion of the course requirements).

Parent Name (print): \_\_\_\_\_

Parent Signature \_\_\_\_\_

Student Signature \_\_\_\_\_ Date: \_\_\_\_\_