



Preparing Young Minds  
For The Future  
Grades K-5

As the nation's first  
WozEd Pathway  
School of  
Distinction, your  
child will be on the  
cutting edge of  
21st Century  
learning.

Science,  
Technology  
Engineering and  
Math are taught in  
an exciting, hands-  
on environment-  
that will inspire,  
motivate and  
prepare your child  
for the demands  
of the future- and  
build their  
personal pathway  
to SUCCESS.



# STEM PATHWAYS

Students explore and learn the future at NGA.  
Our Science, Technology, Engineering and Math based  
curriculum prepares students for tomorrow's success.

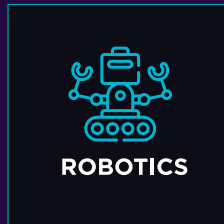


## ANIMATION

Students start with an introduction to  
animation in Level I and by level IV are  
creating 3D animation using a  
programmable robot.



ANIMATION



ROBOTICS



## ROBOTICS

Students develop skills in robotics as they  
explore robots as machines. They learn to  
apply the design process to create robots  
that contribute positively to society. They  
will expand their skills by learning how to  
code with Bloxter or Python.



## DRONE

Students start with an introduction to aviation  
in Kindergarten and transition to physics of  
flight and flight skills as grades progress- and  
become hands-on when they are ready.



DRONE



AR/VR



## AR/VR

In level I, Students will enjoy discovering  
AR/VR, and by level IV, will be creating  
their own experiences using mobile  
devices, headsets and computers.



## CODING

Students start with block-based code and  
transition to progressively more advanced levels by  
grade. By their high school years, and concurrent  
enrollment with a nationally acclaimed Coding  
School, students may complete the requirement  
for their certificate shortly after graduation



CODING

More >>



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### Next Generation Academy

is a tuition-free  
public school of  
choice serving the  
students and  
families of  
Greensboro, NC  
and surrounding  
areas. The school  
is open to ALL  
students Grades  
K-5.

The school offers  
no-cost  
transportation,  
and there is  
no-cost to attend.  
We invite parents  
and students to  
visit and tour our  
state-of-the-art  
facilities.

For Enrollment  
Information:  
please call  
**(336) 271-9030**

For more information  
visit:

**ngagso.com**

**3740 S Holden Rd,  
Greensboro, NC  
27406**

## STEM PATHWAYS CONTINUED



### ARTIFICIAL INTELLIGENCE

Students start with an introduction to artificial intelligence in Level I and by Level IV are investigating the bridge between data and human interaction.



**ARTIFICIAL  
INTELLIGENCE**



**DATA SCIENCE**



### DATA SCIENCE

Students will be immersed into data analysis and communication as they explore the process of data science.



### MOBILE DEVELOPMENT

Students start with mobile game development using Bloxels in Kindergarten and transition into creating an app using App Lab.



**MOBILE  
DEVELOPMENT**



**CYBER  
SECURITY**



### CYBER SECURITY

Students start with identifying multiple strategies for protecting devices and information from unauthorized access in 3rd grade and transition into writing and creating their own encryption codes.



### ENGINEERING DESIGN PROCESS

Students develop engineering skills in the elementary setting through the combination of coding and building. This foundation is built upon in the intermediate and middle grades with 3D modeling software and printers.



**ENGINEERING  
DESIGN  
PROCESS**

## NGA HAS THE LÜ INTERACTIVE PLAYGROUND



The Lü Interactive Playground turns our gymnasium into an active learning space, encouraging students of all ages to get active while reinforcing other academic skills. With Lü, students are engaged and collaborate during physical education, so no student is left out during class.