



THE DRONES ARE COMING!
2018-2019

New Gifted & Talented Curriculum
Flight and Space



UNMANNED AERIAL VEHICLES (UAVs) : The Sky's The Limit

CURRICULUM HIGHLIGHTS



In a first of its kind opportunity, North Middle School launches a new GT curriculum for the 2018-2019 school year featuring the emerging industry of drones, or unmanned aerial vehicles (UAVs). Through the school year Gifted and Talented students will focus both practical and potential aspects of this emerging technology.

- History of flight
- Principles of flight
- Communication and navigation
- Mission planning
- Drone operation
- Media, mapping, inspection and the future
- Federal Aviation Administration (FAA) Part 107 guide for commercial licensing
- Project Lead the Way Gateway to Technology, Flight and Space



DRONES IN EDUCATION

Project Partners:

- Spectrrobotics
- Colorado College
- The Space Foundation
- United States Air Force Academy
- The University of Colorado, Colorado Springs

LEARN MORE: North Middle School Gifted and Talented
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NORTH'S GT PROGRAM PROVIDES SUPPORT FOR YOUR STUDENT'S GROWTH AND CURIOSITY.

- *GT classes are included in your student's daily schedule*
- *One trained counselor works with all GT students*
- *Team Building & Euro Board Games teach students to problem-solve and work together.*
- *Passion Hour provides time for students to "scratch the elephant's itch" and pursue their own special interests.*

Gifted & Talented Counselor

Our Gifted and Talented students have needs too! Periodically, North's GT counselor will come into classes to discuss the unique issues our gifted students might encounter during middle school. Topics may include:

- Leadership
- Sustaining motivation
- Different learning styles and preferences
- Strengths and talents
- Stress of "being different"
- Self-expectations and expectations of others
- Stress of multi-potentiality

Team Building & Board Games

- How to work together
- How to be an effective communicator
- How to be a leader
- Planning ahead
- Detecting patterns
- Predicting the outcomes of alternate moves
- Learning from experience
- Learning deductive logic



Passion Hour

The origin of a "Genius" hour began with the search-engine giant, Google, when they started allowing their engineers to spend 20% of on-the-job time for work on any pet project of their choice. The idea is very simple - allow people to work on something that interests them, and overall productivity will go up. Google's policy has worked so well that estimates suggest 50% of Google's projects have been the result of this creative time period.

In education this model has become a movement that allows students to explore their own passions and encourages creativity in the classroom. North's "Passion Hour" provides GT students a choice in what they learn during a set period of time during the school day. Students are actively encouraged to dig deeper into subjects or topics that interest them.