

BOBCAT INNOVATION STEAM

SCIENCE | TECHNOLOGY | ENGINEERING | ART | MATH

VISION

Bobcat Innovation fosters the development of critical thinkers who are compassionate, creative, and collaborative lifelong learners, empowering them to unlock their unique genius through flexible learning opportunities.

TECHNOLOGY

Bobcat Innovation students will be actively involved with technology resources. Students are assigned a take-home Chromebook device.

It is important that technology be used purposefully as a tool to support curriculum and enhance student learning.

PHILOSOPHY

Education is more than a storehouse of knowledge and set of skills. Students learn in multiple ways and are benefited by a variety of instructional methods and an interdisciplinary approach.

A quality education results when students are actively involved and create meaning through purposeful, authentic learning experiences. We believe that social, emotional, and academic learning are interrelated and that educators, parents and community are essential partners in guiding our students to actualize their own unique genius. As an innovative school, we continually strive to improve education.

CURRICULUM

6th-8th grade core subjects of English/Language Arts, Mathematics, Science, Social Studies, Art, Health & P. E. are learned and applied within the following courses of study. (Michigan curriculum standards are addressed.)

UPPER SCHOOL CORE SUBJECTS

- **THE SKY IS NOT THE LIMIT** ~ “How are limited resources and the desire for more pushing the boundaries of space?”
- **SUSTAINABLE ENVIRONMENTS** ~ “What is my role in the community?”
- **NATURE’S FURY** ~ “How do the Earth’s physical systems affect the human condition?”
- **ME IN THE CONTEMPORARY WORLD** ~ “How do people, places, and environments relate and interact with each other?”
- **LIFE SKILLS & MANAGEMENT** ~ “What mathematical & economic principles are needed to make wise personal, financial, and life decisions?”
- **HYDRODYNAMICS** ~ “What role do communities take in the issues created by the interaction of organisms across ecosystems?”
- **HISTORY OF INNOVATION** ~ “How has the evolution of innovation impacted the US historical journey?”
- **HEALTH & WELLNESS** ~ “How might we develop healthy behaviors for ourselves and our local community? How can we make Bobcat Innovation a healthier place?”
- **EXPLORE ANTHROPOLOGY** ~ “How do historical artifacts tell the story of the Earth’s timeline?”
- **CRIME SCENE INVESTIGATION** ~ “What information, possibilities, & limitations exist in a crime scene investigation?”
- **ART OF SPYING** ~ “What is the role & responsibility of the US for the wellbeing of its citizens?”
- **ART OF ME** ~ “What is my purpose and impact on the world?”
- **APPLIED ARTS & CULTURE** ~ “How does the past impact current cultures, art, and music?”
- **MATHEMATICS** ~ All students will take a mathematics course in addition to Foundation courses. Options depend on aptitude and interest.
Options include:
 - Level A, B, and C math courses which align with grade-level math standards
 - Advanced 6th, 7th, or 8th grade math courses
 - Algebra
 - Geometry



UPPER SCHOOL ELECTIVE CHOICES (Up to 2)

- **BAND** (Year 1) ~ 30 minutes every day
- **WORLD LANGUAGE** ~ 55 minutes every day (7th, & 8th grades)
- **READING & MATH FOUNDATIONS** ~ 55 minutes every day (6th, 7th, & 8th grades)
- **EXPLORATORY ROTATION** ~ 55 minutes every day (6th & 7th grades)
- **BUSINESS** ~ 55 minutes every day (7th & 8th grades)
- **ART** ~ 55 minutes every day (7th & 8th grades)
- **ADVANCED BAND** (Year 2/3) ~ 55 minutes every day (7th & 8th grades)
- **8TH GRADE CAPSTONE** ~ (2nd Semester Project) All 8th graders will participate in the Capstone Course in the spring. Students will reflect on their growth in middle school, create a digital portfolio, set goals, and focus on their future. Looking forward to their high school years and beyond, research will be conducted for an area of interest or path that the student is thinking of exploring after high school. During the course, students will interview older students, community members and interested adults in order to grasp an understanding of the path they are considering. An exit interview presentation will be given by each student to finalize their Capstone Project.

UPPER SCHOOL EXPERIENCES (Full Year)

- **RESEARCH AND DEVELOPMENT LAB** ~ (Design Thinking, Engineering, Statistics, Programming, Robotics) “How do we use research and data along with design thinking to solve problems?”
- Bobcat Innovation has various unique opportunities for our students. We plan many field trips and have several guest speakers related to integrated units. Our students also participate in competitions like The Amazing Shake, Future City, Young Innovators and Junior Sharks. These experiences focus on collaboration, creativity, and presentation skills.

WHAT'S DIFFERENT?

- Grades 2-8
- School Day Schedule is 7:35 a.m. to 2:45 p.m.
- Project-based STEAM Learning
- Exploration of the latest instructional practices in technology and education
- Innovative integrated curriculum and hands-on learning
- Unique field trips
- Small school environment
- Fun, student-initiated after-school clubs

WHAT'S THE SAME?

- Bus transportation to and from school is available for in-district residents!
- Upper school students are invited to try out for sports with East or West Middle School. Buses transport to the middle schools after school.
- Amazing Grand Blanc Community Schools resources, staff and leadership



BOBCAT INNOVATION MISSION:

As explorers of innovative educational practices, we cultivate an engaging, purposeful, student-centered learning environment.

BOBCAT INNOVATION

CONTACT US:

Bobcat Innovation Director
Zachary Hamilton • 810-591-6077

Assistant Director
Kevin Keilitz • 810-591-6375

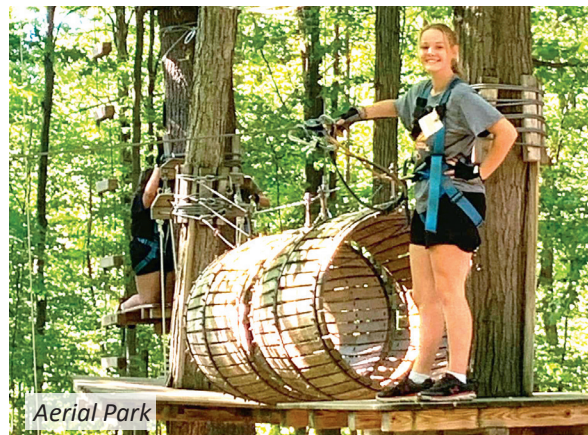
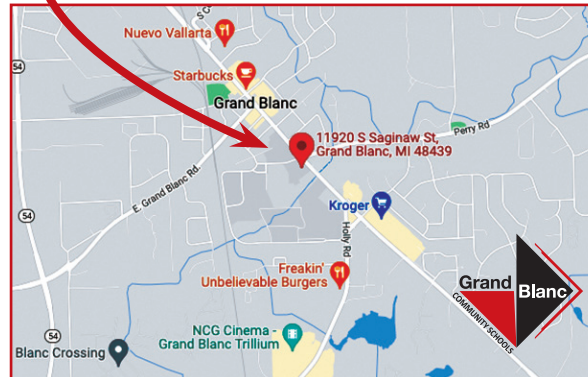
Bobcat Innovation
In-Person & Hybrid Office Phone
Heidi Olmsted • 810-591-6078

Bobcat Innovation Virtual Office Phone
Stacy Abram • 810-591-6391

Located at the Perry Center
11920 S. Saginaw • Grand Blanc

www.bobcatinnovation.org

Email zhamilton@gbcs.org



UPPER SCHOOL • GRADES 6-8

Exceptional in-person, hybrid & virtual learning opportunities!

www.bobcatinnovation.org