STEAM OVERVIEW
SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, & MATH
FLOYD’S STEAM IS RISING!

Vision
A community engaged in real-life, innovative experiences preparing our students to be college and career-ready.

Mission
Perform with Excellence
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Collective Commitments
Floyd Students, Staff, and Parents Promise to
* Be Respectful, Responsible, and Safe
* Focus on Learning with Active Participation
* Collaborate as a team to increase achievement.
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2008-2009
* University of Alabama Grant: STEM in Action

2009-2010
* Robotics Club Organized
* University of Alabama Grant: STEM in Action
2010-2011
* Georgia Power Partnership with Robotics Club: Innovator's Award for Solar-Powered Cooler

2011-2012
* Robotics Club
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2012-2013

* CCSD Promising Practices Grant
* STEM Ambassadors After School Program
* Organic Garden Created by Pace Cetters & Goldman Sachs Volunteers
* Robotics Club
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2013-2014
* Engineering for Kids After School Program
* Computer Science STEM Connections
* Environmental Science STEM Connections
* Problem-Based Learning Professional Learning
* Tata Consulting Partnership
* Analytic Geometry offered
* Robotics Club invited to State Competition
* Summer STEM camp for rising 6th Graders
* Robotics Club
* Georgia Power - Learning Power Energy Education in the Classroom
* Career Fair
2014-2015
* Engineering & Technology Connections started
* Teachers attended the STEM FORUM in Athens, Oct. 2014
* Interdisciplinary Teacher Collaboration
* Extended Learning Time STEM
* High School Physical Science offered
* State Farm provided a matching grant for parent volunteer hours
* Kennesaw State University/Southern Polytechnic students supported our Robotics team after school.
* Summer STEM camp for rising 6th Graders
* Kennesaw State University Girls STEM Adventure Field Trip, March, 2015
* University of West Georgia STEM Day Trip, April, 2015
* STEAM Night, May 2015
* Science Olympiad Organized
* Robotics Club Continued
* Saturday STEM Class by EMAGAHA, INC
* Atlanta ZooMobile Presented “Career Connections” to 7th Grade
* Outdoor Classroom Constructed By Kiwanis Club
* Georgia Power - Learning Power Energy Education in the Classroom
* Career Fair
* Floyd was selected by the Heart of America and FedEx for a College & Career Center Makeover Project
2015-16
* Increased number of teachers across 6, 7, 8 grades
* High School Visual Arts
* Mobile App Development Class After School
* Local School Professional Learning
* 1st Middle School Students to graduate CTAE math and coding and to receive ASME certification (American Society of Mechanical Engineers).

* Floyd was awarded Cobb STEM Certification!
2016-2017
* Local School Professional Learning
* Innovation STEM Academy Participation – CCSD
* Technology Students Association (TSA) Launched
* 8th graders Won Ticket out the Door Prize at the Future Fest Technology Career Fair @ Cobb Civic Center
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2017-2018

* STEM Innovation Conference @ KSU - Students
* Local School Professional Learning
* Innovation STEM Academy Participation – CCSD
* STEM/STEAM immersed in content/connections classes with a new master schedule.
* Technology Student Association awarded Verizon Grant
* General Electric and Bumper Doctor Partnership with Robotics
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2018-2019
- Local School Professional Learning
- 6th & 8th Grade Teachers are participating in the Innovation Humanities in Practice Academy Participation (HIP).
- All Floyd Staff are working toward Microsoft Innovative Educator Certification.
- STEM/STEAM immersed in content/connections
- CTAE – Approved for High School Class 2019-20
- Robotics Club Continues to thrive since 2009.
- Organic Gardening continues with Pace Cetter Partner support since 2012.
- 6th, 7th, 8th Grade Level Implementation of Semester PBLs
- Technology Student Association continues to thrive.
- General Electric and Bumper Doctor Partnership with Robotics
- Floyd PTSA partnered with the designer/owner of an EV 10 who brought his Electric Vehicle to Floyd for students to see.
- Mike Kahle of Cobb’s Watershed Stewardship Service was a guest instructor to all 8th grade Physical Science Classes to assist with the PBL.
- All 7th grade students participated in a Financial Literacy Seminar with Operation Hope.
- Operation Hope is completing an intensive Entrepreneurial Program with 8th grade social studies classes where they are creating a business plan and preparing presentations for actual funding.
- PSAT Prep Course provided to 8th grade students on Saturday.
- 8th Grade Physical Science teachers participated in training with Cobb Fire & UL Labs in a partnership where Cobb Firefighters mentor/share careers with students while teaching Fire Dynamics.
- 8th Grade Science, Math, and Physical Education/Health Teachers are participating in a partnership with the Atlanta Braves on the Science of Sport.
- CTAE Teacher, Dr. Mary Mwangi, presented at KSU STEM Innovation Conference and CCSD CTAE Professional learning.