

STEM *at a glance*

STEM students: 256 in 7th and 8th grades.

STEM coursework: In addition to 60 minutes of daily math instruction and 60 minutes of daily science instruction, students have the following STEM opportunities:

- STEM connections focused on engineering and robotics – 50 minutes per day for 18 weeks
- Computer forensic sciences – 50 minutes per day for 18 weeks
- Flex courses – Forensic science, bio-tech, life science and aerospace

Professional development:

The majority of CJHS science and math teachers have participated in STEM professional development within the last two years. Professional development has been provided individually and in group settings by Carrollton City Schools, teacher leaders, technology coach and West Georgia RESA. Additionally, two science teachers attended the NSTA conference in Atlanta on Nov. 1-3. Plans are for them to redeliver STEM related training to staff. CJHS also will present to West Georgia RESA in January.

Business and community partnerships: In addition to an active systemwide STEM Advisory Board, CJHS has established partnerships with the University of West Georgia, Carrollton Police Department and the Carroll County Sheriff's Department.

STEM lab: Fully operational STEM engineering lab is equipped with the following items: Intelitek Rec. program, Vex Robotic components, AutoDesk Design Academy software, LearnMate Learning Management System, CADD computers, CNC Mill technology, Lifesize HD video conferencing equipment, Interactive whiteboard, digital projector, student/teacher sound system, student response system, document camera,

DVD recorder, blue tooth slate, and prototyping machine.

Technology: In addition to a fully operational, dedicated STEM lab, CJHS has two computer labs and has equipped all core academic classrooms with an interactive white board, document camera, student response system, and other digital resources.

Co-Curricular teams:

About 25 students participate in the CJHS co-curricular STEM competitive teams: ROV (Remotely-Operated Vehicle) Team and the VEX Robotic Team.

Competition Dates:

Jan. 19, 2013 at Ola High School

Feb. 2, 2013 at Carrollton High School

Dec. 8, 2013 at Central Educational Center

Other highly competitive teams with a STEM focus are the award-winning MATHCOUNTS program and new this year, a science team to compete in the RESA Science Bowl.



CARROLLTON JUNIOR HIGH