

An elective course in Geospatial Technology is available to 9 – 12 graders in Chesapeake. The state approved course provides experiences pertaining to the study of geographic information systems (GIS), global positioning systems (GPS), remote sensing (RS), digital image processing simulator (DIPS), Geodesy, automated cartography (Auto-Carto), land surveying (LS), and navigation. Fundamentally, these technologies allow students to explore and analyze the natural and human-made world, from local to global and beyond. Students will use various tools, processes, and techniques to create, store, access, manipulate, and revise data to solve human challenges. These experiences will employ real-world spatial analysis models and guidelines for integrating, interpreting, analyzing, and synthesizing data, with a focus on both the implications and the limitations of such technologies. These experiences also include the interfacing to telecommunications and automated database management systems. Students are exposed to ESRI ArcView software during the course.

A Geospatial Technology competitive event is also available through the Technology Student Association (TSA). Students can compete against students from across the state of Virginia in problem solving using Geospatial Technology.

For additional information please contact Johnny Moyer, CTE Supervisor at 547-1098.