

CTE COURSE ENRICHMENT ACTIVITIES

Course Name(s): Agricultural and Biosystems Engineering – May 11-May 15, 2020

Listed below are TDOE Standards for the 2019-2020 school year. Please see the suggested resources listed beside each of the standards addressed and the suggested practice items that accompany each standard.

https://www.tn.gov/content/dam/tn/education/ccte/ag/ccte_std_agricultural_biosystems_engineering.pdf

TN State Standard addressed:	Recommended resource(s):	Recommended Practice(s):
Monday May 11, 2020 8) Analyze, map, and disseminate geographic information systems (GIS) and global positioning systems (GPS) data portraying a drainage map of a specified region. Citing specific evidence from findings, propose changes to drainage and irrigation systems and justify recommendations against accepted soil erosion control practices.	How to read a Topo map How to use a compass	Watch the video on how to read a topographic map.
Wednesday May 13, 2020 8) Analyze, map, and disseminate geographic information systems (GIS) and global positioning systems (GPS) data portraying a drainage map of a specified region. Citing specific evidence from findings, propose changes to drainage and irrigation systems and justify recommendations against accepted soil erosion control practices.	Topographic Map Basics: Landforms Rutherford County GIS Website	Watch the video on identifying landforms on a Topographic map. Then, visit the county GIS website. On the navigation bar, select “Basemap Gallery” and then scroll down to select “USA Topo Maps.” Find your high school’s location on the map.
Friday May 15, 2020 7) Demonstrate the ability to make land use, management, development, and equipment recommendations for a specific plot of land in rural and urban settings. Provide graphical and textual evidence to support each recommendation.	Rutherford County GIS Website Determining Watershed area using topo map	Use the county GIS map to find your school location on the map. Watch the video about determining watershed are using a topo map. Then determine what watersheds your school is a part of starting with the smallest and ending in the Mississippi River. Email your findings to your teacher.