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| **Course Name(s): Plant and Soil Science**  |
| 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/education/career-and-technical-education/career-clusters.html> |
| **TN State Standard addressed:** | **Recommended resource(s):** | **Recommended Practice(s):** |
| 13) Identify major agriculture-related pollutants and isolate practices that contribute to the spread of pollution in both urban and traditional agricultural production environments. Develop a list of best practices, citing technical texts to make recommendations for watering procedures, runoff containment, pest control, and chemical use and disposal in both domestic (home) and agricultural production settings. Prepare informational materials emphasizing the importance of using recommended best practices to reduce pollution. | Agriculture Nutrient Pollution <https://www.epa.gov/nutrientpollution/sources-and-solutions-agriculture>USDA: Preventing Runoff in the Mississippi River <https://www.youtube-nocookie.com/embed/AFtdTnyTUZ0?rel=0> | Read the article “Agriculture Nutrient Pollution” note the 6 ways agricultural producers can prevent nutrient losses. Watch the video: USDA Preventing Runoff in the Mississippi River.  |
| SAME  | Issue Overview: Agriculture <https://www.epa.gov/nutrientpollution/issue>Video: Nutrient Pollution Explained <https://www.youtube.com/watch?time_continue=9&v=vCicSNnKUvM&feature=emb_logo> | Read the “Issue Overview” note list some reasons this type of pollution is harmful to groundwater and waterways. Then watch the provided video.  |
| SAME | Issue Overview: Stormwater<https://www.epa.gov/nutrientpollution/sources-and-solutions-stormwater>Video: A Drop’s Life<https://www.youtube-nocookie.com/embed/5Ug1hravb9Q?rel=0> | Read the “Issue Overview” note list some reasons this type of pollution is harmful to groundwater and waterways. Then watch the provided video. |
| SAME | Issue Overview: Waster Water<https://www.epa.gov/nutrientpollution/sources-and-solutions-wastewater>Video: Waste Water Treatment Plant Upgrades<https://www.youtube-nocookie.com/embed/b6WLd0tlesE?rel=0> | Read the “Issue Overview” note list some reasons this type of pollution is harmful to groundwater and waterways. Then watch the provided video. |
| SAME | Issue Overview: Fossil Fuels<https://www.epa.gov/nutrientpollution/sources-and-solutions-fossil-fuels>Issue Overview: In and around the Home<https://www.epa.gov/nutrientpollution/sources-and-solutions-and-around-home>What can I do at home?<https://www.epa.gov/nutrientpollution/what-you-can-do-your-home> | Read the Issue overviews listed. Read the “What can I do at Home” section. Talk with a parent. Come up with one or two things you could do at home to mange pollutants around the house.  |