

## CTE COURSE ENRICHMENT ACTIVITIES

### Course Name(s): Agricultural and Biosystems Engineering – April 13-14, 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/cte/ag/cte\\_std\\_agricultural\\_biosystems\\_engineering.pdf](https://www.tn.gov/content/dam/tn/education/cte/ag/cte_std_agricultural_biosystems_engineering.pdf)

<b>TN State Standard addressed:</b>	<b>Recommended resource(s):</b>	<b>Recommended Practice(s):</b>
Monday April 13, 2020 4) Design a project plan for an agricultural engineering project, outlining a strategy for working within a given set of parameters, constraints, and resources. Include in the plan components related to the budget, timeline, safety considerations, and strategies to minimize adverse environmental impacts.	IRS: <a href="https://www.irs.gov/businesses/small-businesses-self-employed/independent-contractor-defined">https://www.irs.gov/businesses/small-businesses-self-employed/independent-contractor-defined</a>	Many agriculture businesses operate as independent contractors. If you were to open your own welding shop, would you be an independent contractor? Are there times when you might be considered someone's employee even if you had your own shop? Read the article and compare and contrast the definitions of "Employee" and "Independent Contractor"
Wednesday April 15, 2020 4) Design a project plan for an agricultural engineering project, outlining a strategy for working within a given set of parameters, constraints, and resources. Include in the plan components related to the budget, timeline, safety considerations, and strategies to minimize adverse environmental impacts.	IRS: <a href="https://www.irs.gov/help/ita/do-i-need-to-file-a-tax-return">https://www.irs.gov/help/ita/do-i-need-to-file-a-tax-return</a>	April 15 <sup>th</sup> is usually the day we are required to file taxes in the USA. Your tax rate is determined by many factors. In some cases, you do not even need to file a tax return. Use the IRS link provided to complete the 15 minute activity to determine if you're SAE work requires to you file a tax return. Let your instructor know if you had to file taxes!
Friday April 17, 2020 4) Design a project plan for an agricultural engineering project, outlining a strategy for working within a given set of parameters, constraints, and resources. Include in the plan components related to the budget, timeline, safety considerations, and strategies to minimize adverse environmental impacts.	<a href="https://www.birdwatching-bliss.com/support-files/bluebird-house-plans.pdf">https://www.birdwatching-bliss.com/support-files/bluebird-house-plans.pdf</a>	The state bird of Tennessee is the bluebird. They are one of my favorite birds around. Follow the link and review the materials list. Call or visit the website of your favorite hardware store to determine the cost to build one bluebird house. Email your estimate to your instructor.