**Cassville High School**

**Course Competency (ELO’s)**

Course Name: Agricultural Science II

Mark which semester the ELO is taught in. In the “Mastery Level” column, please place the expected mastery level for the ELO. This should be a well thought out % and evaluated annually when your data analysis has been completed.

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| **Semester** | **ELO** | **Mastery**  **Level** |
| 1st | Students will create a resume, job application, and participate in a mock interview. | 70% |
| 1st | Students will describe the importance of plant science and be able to successfully classify plants, and distinguish the difference between monocots and dicots. | 70% |
| 1st | Students will distinguish the difference between sexual and asexual propagation and the methods associated with each method. | 70% |
| 1st | Students will discuss the plant processes of germination, photosynthesis, respiration, and transpiration. | 70% |
| 1st | Students will identify the common trees in the state of Missouri. | 70% |
| 1st | Students will create an insect collection and will successfully classify insects. | 70% |
| 2nd | Students will describe the importance of soil to plant and human life. | 70% |
| 2nd | Students will describe how soils are formed and the relationship between soil formation, soil color, soil texture, and how these affect soil profile. | 70% |
| 2nd | Students will identify proper shop safety procedures, practices, and apparel. | 90% |
| 2nd | Students will understand and demonstrate the proper procedure for arc welding, MIG welding, and oxy-acetylene cutting. | 90% |