# Common Career Technical Core Animal Science Pathway

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| --- | --- | --- | --- |
| **Student name:**  |  | **Graduation Date:** |  |

Course Description: To be taught in all courses in the approved pathway.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Career REady Standards

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Act as a responsible and contributing citizen and employee. |  |
| 1.2 | Apply appropriate academic and technical skills. |  |
| 1.3 | Attend to personal health and financial well-being. |  |
| 1.4 | Communicate clearly, effectively and with reason. |  |
| 1.5 | Consider the environmental,social and economic impacts of decisions. |  |
| 1.6 | Demonstrate creativity and innovation. |  |
| 1.7 | Employ valid and reliable research strategies. |  |
| 1.8 | Utilize critical thinking to make sense of problems and persevere in solving them. |  |
| 1.9 | Model integrity, ethical leadership and effective management. |  |
| 1.10 | Plan education and career path aligned to personal goals. |  |
| 1.11 | Use technology to enhance productivity. |  |
| 1.12 | Work productively in teams while using cultural/global competence. |  |

## Benchmark 2: agriculture, food, and natural resources cluster skill content standards

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Analyze how issues, trends, technologies and public policies impact systems in the Agriculture, Food & Natural Resources Career Cluster. |  |
| 2.2 | Evaluate the nature and scope of the Agriculture, Food & Natural Resources Career Cluster and the role of agriculture, food and natural resources (AFNR) in society and the economyUse technology to acquire, manipulate, analyze and report data. |  |
| 2.3 | Examine and summarize the importance of health, safety and environmental management systems in AFNR workplaces. |  |
| 2.4 | Demonstrate stewardship of natural resources in AFNR activities. |  |
| 2.5 | Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources career pathways. |  |
| 2.6 | Analyze the interaction among AFNR systems in the production, processing and management of food, fiber and fuel and the sustainable use of natural resources. |  |

## Benchmark 3: Animal Systems Career Pathway Content Standards

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Analyze historic and current trends impacting the animal systems industry. |  |
| 3.2 | Utilize best-practice protocols based upon animal behaviors for animal husbandry and welfare. |  |
| 3.3 | Design and provide proper animal nutrition to achieve desired outcomes for performance, development, reproduction and/or economic production. |  |
| 3.4 | Apply principles of animal reproduction to achieve desired outcomes for performance, development and/or economic production. |  |
| 3.5 | Evaluate environmental factors affecting animal performance and implement procedures for enhancing performance and animal health. |  |
| 3.6 | Classify, evaluate and select animals based on anatomical and physiological characteristics. |  |
| 3.7 | Apply principles of effective animal health care. |  |
| 3.8 | Analyze environmental factors associated with animal production. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

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