

Agricultural Issues Forum

Academic Content Area: Environment and Ecology – Grade 10

Career Development Event Content

1. Understand the principles and fundamentals of agricultural issue analysis.
2. Promote integration of agricultural issue analysis in local school academic subject matter areas.
3. Foster teamwork, leadership and communication skills.
4. Provide an opportunity to expose a wide variety of students to the selection, research, planning and presentation of an agricultural issue.
5. Issue topics include: environmental, agriculture technology, animal, agriculture career, economy and trade, agriculture policy, food safety and biotechnology.

Related Academic Standards/Anchors

Objectives 1-5: **4.1.10.B,C,D,E; 4.2.10.A,B,C,D; 4.3.10.A,B; 4.4.10.A,B,C,D; 4.5.10.B,C; 4.6.10.A,B; 4.8.10.A,B,C,D; 4.9.10.A**

Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 – Related to 4.4.10.C: Explain the functions of the components of the food and fiber system. Sub-point, identify and describe how food safety issues have impacted production in agriculture. **Students investigate food safety issues, select an issue, develop a presentation and portfolio that represents all aspects of the food safety issue chosen and present the food safety issue to a panel of judges and to community members through various community presentations.**

Ex. 2 – Related to 4.2.10.D: Explain different management alternatives involved in recycling and solid waste management. Sub-point, illustrate how one natural resource can be managed through reduction, recycling, reuse or use. **Students must investigate the source, refinement, and distribution of bio-solid sludge on farmland or landfills. Student will then educate themselves through course unit taught, field investigation and presentations/visitations of involved personnel. Students then create a presentation and portfolio to be presented to a panel of judges, and to community members through various presentations.**

Agricultural Issues Forum

Academic Content Area: Mathematics – Grade 11

Career Development Event Content

1. Understand the principles and fundamentals of agricultural issue analysis.
2. Promote integration of agricultural issue analysis in local school academic subject matter areas.
3. Foster teamwork, leadership and communication skills.
4. Provide an opportunity to expose a wide variety of students to the selection, research, planning and presentation of an agricultural issue.
5. Issue topics include: environmental, agriculture technology, animal, agriculture career, economy and trade, agriculture policy, food safety and biotechnology.

Related Academic Standards/Anchors

Objectives 1-5: 2.2.11.A,B,F; 2.4.11.B,C; 2.5.11.B,D; 2.7.11.C

Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 Related to 2.2.11.A: Develop and use computation concepts, operations and procedures with real numbers in problem-solving situation. **Students will be required to have documentation in the form or computations and real numbers for problem-solving the issue they have selected to investigate. This will allow them to create opinions and rationalize circumstances for all perspectives of their selected issue within agriculture.**

Ex. 2. Related to 2.7.11.C: Draw and justify a conclusion regarding the validity of a probability or statistical argument. **Students will need to analyze and draw conclusions for all aspects of their research on the agriculture issue selected. They will need to utilize found probabilities and validity to form a statistical argument during their presentation to educate the audience about the issue and allow them to create an opinion based on the information and education received through the team's portfolio and presentation.**

Agricultural Issues Forum

Academic Content Area: Reading, Writing, Speaking and Listening – Grade 11

Career Development Event Content

1. Understand the principles and fundamentals of agricultural issue analysis.
2. Promote integration of agricultural issue analysis in local school academic subject matter areas.
3. Foster teamwork, leadership and communication skills.
4. Provide an opportunity to expose a wide variety of students to the selection, research, planning and presentation of an agricultural issue.
5. Issue topics include: environmental, agriculture technology, animal, agriculture career, economy and trade, agriculture policy, food safety and biotechnology.

Related Academic Standards/Anchors

Objectives 1-5: 1.1.11.A,E,F,G; 1.2.11.A; 1.4.11.B,C,D; 1.5.11.A,B,C,E,F,G; 1.6.11.A,C,D,E; 1.8.11.A,B,C

Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 – Related to 1.5.11.E: Revise writing to improve style, word choice, sentence variety and subtlety of meaning after rethinking how questions of purpose, audience and genre have been addressed. **Students must be able to create the needed presentation in script for technique of developing a legitimate argument on behalf of all audiences on the specific topic. Students then practice the script in order to recognize needed writing style improvement, word choice and sentence variety that will represent the particular opinion or audience effectively.**

Ex. 2 – Related to 1.6.11.C: Speak using skills appropriate to formal speech situations. Sub-point, use a variety of sentence structures to add interest to a presentation. **Students must be effective and capable in representing various audiences and presenting their case in an effective manner. The students will present their findings and learned knowledge/experience using appropriate speaking skills.**

Ex. 3 – Related to 1.8.11.C: Organize, summarize and present the main ideas from research. **Students are required to take notes, anticipate reader's/listener's problems or misunderstandings, give credit for others' ideas and use appropriate formatting techniques when preparing and presenting the issue.**

Agricultural Issues Forum

Academic Content Area: Science and Technology – Grade 10

Career Development Event Content

1. Understand the principles and fundamentals of agricultural issue analysis.
2. Promote integration of agricultural issue analysis in local school academic subject matter areas.
3. Foster teamwork, leadership and communication skills.
4. Provide an opportunity to expose a wide variety of students to the selection, research, planning and presentation of an agricultural issue.
5. Issue topics include: environmental, agriculture technology, animal, agriculture career, economy and trade, agriculture policy, food safety and biotechnology.

Related Academic Standards/Anchors

Objectives 1-4: **3.2.10.A,B,D; 3.5.10.B,D; 3.6.10.A; 3.7.10.C; 3.8.10.A,B,C**

Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 Related to 3.6.10.A: Apply biotechnologies that relate to propagating, growing, maintaining, adapting, treating and converting. Sub-point, apply knowledge of plant and animal production processes in designing and improvement to existing processes. **Students will take advantage of information taught in agriculture classes to develop a very debatable concern within their own community and create an agriculture issues forum presentation and portfolio, using information taught in class, visitations with individuals directly related to the topic and facilities that exhibit information gained within the classroom. Students will then share their documented research to classes and community organizations.**

Ex. 2 Related to 3.7.10.C: Apply basic computer operations and concepts. Sub-point, apply touch keyboarding skills and techniques at expectable speed and accuracy. **This is a skill that enables teachers within the business department to set expectancies in speed and accuracy, but a situation that demands a student to perform at such expectancies to enable efficient and effective development of a portfolio and research techniques use during script and presentation development.**