Assessment Plan

Seward County Community College

Sciences

Outcome: **Oral Communication** - Effectively use the language and concepts of science in a ?real life? context through oral communication. [Hide Outcome Detail]

Start Date:

End Date:

Status: Open

Assessment Evaluation:

Related Courses:
PS 1014 - Dir Indep Studies Phys Science
PS 1103 - Environmental Perceptions
PS 1113 - Physical Science
PS 1114 - Physical Science-1114
PS 1121 - Physical Science Lab
PS 1301 - Astronomy Laboratory
PS 1313 - Introduction to Astronomy
PS 1802 - Color Photography
PS 2205 - General Physics I
PS 2215 - General Physics II
PS 2505 - Engineering Physics I
PS 2515 - Engineering Physics II
PS PH177 - Introduction to Geology
PS PH178 - Introduction to Astronomy-EduKan

Assessment Techniques

Method	Criterion	Schedule	Feedback Loop

Oral reports	Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		
Poster presentations	Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		
Workshops or collaborative reviews	Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		

There are no related Institutional Goals.

There are no related Program/Department Goals.

There are no related Course Outcomes

Outcome: **Scientific claims** - Critically assesses accepted scientific claims as products of a logical inquiry process that while diverse, is confined by the current scope of understanding. [Hide Outcome Detail]

Start Date:

End Date:

Status: Open

Assessment Evaluation:

Related Courses:
PS 1014 - Dir Indep Studies Phys Science
PS 1103 - Environmental Perceptions
PS 1113 - Physical Science
PS 1114 - Physical Science-1114
PS 1121 - Physical Science Lab
PS 1301 - Astronomy Laboratory
PS 1313 - Introduction to Astronomy
PS 1802 - Color Photography
PS 2205 - General Physics I
PS 2215 - General Physics II
PS 2505 - Engineering Physics I
PS 2515 - Engineering Physics II
PS PH177 - Introduction to Geology
PS PH178 - Introduction to Astronomy-EduKan

Assessment Techniques

Method	Criterion	Schedule	Feedback Loop
CPR (Calibrated Peer Review)	80% or better Evidence that scientific knowledge is: empirical (gained from observation), tentative (subject to change), historical (builds on knowledge from the past), public (available to others), and replicable (subject to verification by others). Examples demonstrating why scientific knowledge should be understood in its historical, social, technological, and political context are present.		

Case studies	80% or better Evidence that scientific knowledge is: empirical (gained from observation), tentative (subject to change), historical (builds on knowledge from the past), public (available to others), and replicable (subject to verification by others). Examples demonstrating why scientific knowledge should be understood in its historical, social, technological, and political context are present.		
Essay questions (testing)	80% or better Evidence that scientific knowledge is: empirical (gained from observation), tentative (subject to change), historical (builds on knowledge from the past), public (available to others), and replicable (subject to verification by others). Examples demonstrating why scientific knowledge should be understood in its historical, social, technological, and political context are present.		

Workshops or collaborative reviews	80% or better Evidence that scientific knowledge is: empirical (gained from observation), tentative (subject to change), historical (builds on knowledge from the past), public (available to others), and replicable (subject to verification by others). Examples demonstrating why scientific knowledge should be understood in its historical, social, technological, and political context are present.		

Related Institutional Goals

- **Academic** - Communicate ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- **Academic** - Demonstrate knowledge and comprehension of the diverse cultures, creeds and life styles of America and the world community.
- **Academic** - Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information.

There are no related Program/Department Goals.

There are no related Course Outcomes

Outcome: **Solving problems** - Use the methodologies and models of science to select, define, solve and evaluate problems independently and collaboratively [Hide Outcome Detail]

Start Date:

End Date:

Status: Open

Assessment Evaluation:

Related Courses: **PS 1113** - Physical Science

Assessment Techniques

Method	Criterion	Schedule	Feedback Loop
Adequately design, conduct, communicate and/ or evaluate a simple, relatively basic, but meaningful experiment.	80% or better 1. Formulate questions 2. Plan experiments 3. Make systematic observations 4. Organize and interpret data 5. Draw conclusions		

Related Institutional Goals

- **Academic** - Communicate ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- **Academic** - Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- **Academic** - Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information.
- **Academic** - Exhibit workplace skills that include respect for others, teamwork competence, attendance/ punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgment, and responsibility.
- **Academic** - Utilize current technology relevant to their respective disciplines.

There are no related Program/Department Goals.

There are no related Course Outcomes

Outcome: **Written communication** - Effectively use the language and concepts of science in a ?real life? context through written and oral communication. [Hide Outcome Detail]

Start Date:

End Date:

Status: Open

Assessment Evaluation:

Assessment Techniques

Method	Criterion	Schedule	Feedback Loop
Oral/Written reports	80% Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		
CPR (Calibrated Peer Review)	80% Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		
Research papers	80% Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		

Essay questions (testing)	80% Topic statement containing issue(s) to be analyzed or the position to be taken is present. Scientific concepts and disciplinary facts are used and are correct. The student states or expresses how the scientific concept relates to ?real life? applications.		
Poster presenations	80%		
Workshops or collaborative reviews	80%		

Related Institutional Goals

- **Academic** - Communicate ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- **Academic** - Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- **Academic** - Demonstrate knowledge and comprehension of the diverse cultures, creeds and life styles of America and the world community.
- **Academic** - Exhibit workplace skills that include respect for others, teamwork competence, attendance/ punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgment, and responsibility.

There are no related Program/Department Goals.

There are no related Course Outcomes

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