

Chemistry Core Competencies

Learning Outcome:

Critical Thinking: Students will be able to examine, critique and synthesize information in order to arrive at reasoned conclusions.

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

70% of the students will be marginal or proficient at Level 2 Reading/Critical Thinking

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage of Students Marginal or			
	2012-13	2013-14	2014-15	2015-16
ETS Proficiency Profile Level 2 Critical Thinking	100%	85%	88%	92%

Conclusions Drawn from Data:

The criteria for success have been met. Students are able to examine, critique and synthesize information in order to arrive at reasoned conclusions.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.

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Learning Outcome:

Written: Students will be able to effectively express ideas and information to others through written communication.

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

80% of the students will be marginal or proficient at Level 2 Writing

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage at Marginal or Proficient			
	2012-13	2013-14	2014-15	2015-16
ETS Proficiency Profile Level 2 Writing	100%	77%	83%	96%

Conclusions Drawn from Data:

The criteria for success were met in all years except for 2013-14, when 77% of the students were marginal or proficient at Level 2 Writing, just below the 80% criteria for success. Overall, students are able to effectively express ideas and information to others through written communication.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.

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Learning Outcome:

Quantitative Reasoning: Students will be able to solve problems that are quantitative in nature.

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

90% of the students will be marginal or proficient at Level 2 Mathematics

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage at Marginal or Proficient			
	2012-13	2013-14	2014-15	2015-16
ETS Proficiency Profile Level 2 Mathematics	100%	92%	92%	100%

Conclusions Drawn from Data:

The criteria for success have been met. Students are able to solve problems that are quantitative in nature.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.