



Gasconade R-2

Objective Course Curriculum Report for: AP Biology - Eleventh Grade

Generated on 11/23/2015

Name

AP Biology Objective 1

Unit Objective

Students will create a laboratory activity that demonstrates their ability to analyze the scientific method. Students will discern whether or not items are living based on the items characteristics.

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Creation Date

5/19/2013 7:18:08 PM +00:00

Modified By

System

Modification Date

11/19/2013 5:30:01 PM +00:00

Sequence

1

Assessment Methods

Essential Questions

Course

AP Biology

Unit

01 Introduction to Biology

Objective used to assess students

Formative Assessment Activities

Students will complete a lab demonstrating the scientific method. Students will apply their knowledge on the characteristics of life, when deciding whether or not something is a living being.

Depth of Knowledge

90%

Learning Activity

The students will complete pre-lab activities to learn proper lab techniques and the scientific method. The teacher will lecture and describe the characteristics of life through modeling and notes.

Research-based Instructional Strategies

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard
8	Science	Grades: K-12	impact of science, technology and human activity on resources and the environment

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AP Biology Objective 2

Unit Objective

The students will evaluate their knowledge of molecules and cells by creating models and describing how the molecules determine many of the processes that occur in cells. Students will analyze the parts of a cell and determine how each part works together to form the whole.

Created By

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Creation Date

5/19/2013 7:18:08 PM +00:00

Modified By

System

Modification Date

11/19/2013 6:14:03 PM +00:00

Sequence

2

Assessment Methods

Essential Questions

Course

AP Biology

Unit

02 Molecules and Cells

Objective used to assess students

Formative Assessment Activities

Students will take a series of paper and pencil tests as well as complete a series of college board approved laboratory activities and write-ups to show their knowledge of molecules and cells.

Depth of Knowledge

80%

Learning Activity

The students will read their text, take notes, and set up and complete laboratory activities and lab write-ups concerning molecules and cells.

Research-based Instructional Strategies

The teacher will lecture with notes about the molecules of life. The teacher will help students create models of the molecules. The teacher will oversee set up and completion of laboratory activities.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AP Biology Objective 3

Unit Objective

Students will analyze the themes of heredity and evolution.

Created By

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Creation Date

5/19/2013 7:18:08 PM +00:00

Modified By

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Modification Date

11/18/2013 11:18:31 PM +00:00

Sequence

3

Assessment Methods

Essential Questions

Course

AP Biology

Unit

03 Heredity and Evolution

Objective used to assess students

Formative Assessment Activities

Students will take a series of paper and pencil tests as well as complete a series of college board approved laboratory activities and write-ups to show their knowledge of heredity and evolution.

Depth of Knowledge

80%

Learning Activity

The students will read their text, take notes, complete virtual lab activities, and set up and complete laboratory activities and lab write-ups concerning heredity and evolution.

Research-based Instructional Strategies

The teacher will lecture with notes about heredity and evolution. The teacher will oversee set up and completion of laboratory activities.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AP Biology Objective 4

Unit Objective

Students will develop skills through laboratory activities that allow them to evaluate how organisms and populations impact the environment in which they live.

Created By

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Creation Date

5/19/2013 7:18:08 PM +00:00

Modified By

System

Modification Date

11/19/2013 3:04:12 PM +00:00

Sequence

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Assessment Methods

Essential Questions

Course

AP Biology

Unit

04 Organisms and Populations

Objective used to assess students

Formative Assessment Activities

Students will complete college board approved laboratory activities and write-ups concerning organisms and populations. The students will complete other laboratory activities, some online or virtual laboratories. The students will take a series of paper and pencil tests to show their knowledge of organisms and populations.

Depth of Knowledge

Learning Activity

Students will complete college board approved laboratory activities and write-ups concerning organisms and populations. The students will complete other laboratory activities, some online or virtual laboratories. The students will participate in classroom discussion and lecture, as well as read their text and keep notes.

Research-based Instructional Strategies

The teacher will facilitate learning of new material by lecture, discussion, and modeling. The teacher will oversee the set up and completion of all laboratory activities.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement