

Innovating Science Teaching with Explore Science

Studies Weekly's
NEW
Science Curriculum



$E=MC^2$

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Introduction

Studies Weekly's brand-new K-5 Explore Science encourages students to investigate by conducting hands-on experiments, asking questions, and making observations of natural phenomena.

Explore Science is...

Built to Standards

Explore Science was designed to the NGSS (Next Generation Science Standards). The curriculum reflects the latest science best practices and adheres to the Framework for K-12 Science Education.

Studies Weekly built the curriculum using EQuIP, NGSS Lesson Screener, EdReports rubrics, and other research-based models.

Reviewed and Validated

Independent reviewer CSA Education used the NGSS Lesson Screener Tool to evaluate Explore Science and provided a positive review. Additional independent reviewers used the EdReports rubric and found it to have a powerful alignment with NGSS research-based best practices.

Continually Improving

Other research organizations are providing continued feedback so Studies Weekly can make additional updates to support receiving the NGSS Design Badge as a high-quality curriculum.

Studies Weekly has also submitted Explore Science to EdReports for their independent evaluation.

Studies Weekly regularly conducts efficacy studies with school districts to continually evaluate this high-quality curriculum with ongoing research-based validation.

Explore Science Evaluation

Abstract

The EdReports Science K-5 Review Tool is a mechanism for assessing standards alignment, usability and design, and overall quality of science curriculum.

The science review criteria evaluates materials based on:

- Three-dimensional learning
- Phenomena-driven learning
- Coherence and full scope of three dimensions
- Instructional supports and usability

The independent assessment of Explore Science with this review tool indicated a powerful alignment to NGSS standards and high scores for each Gateway.

Methodology

Two science education contractors independently reviewed Explore Science using the EdReports Science K-5 Review Tool. These reviewers used the EdReports Review Criteria, a sequential review process with indicators that reflect high-quality instructional materials, and the corresponding EdReports Evidence Guide, an elaborative material with additional details about the indicators in the Review Criteria.

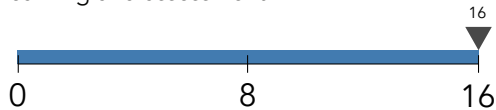
Note: the independent reviewers are not associated with EdReports.

Kindergarten Evaluation

Gateway 1: Designed for NGSS

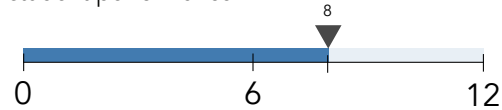
Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

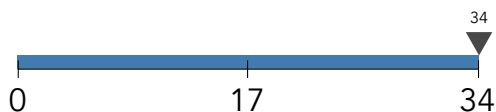
Science phenomena and engineering problems drive learning and student performance.



Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

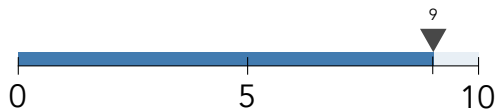
Coherent in design, scientifically accurate, and supports grade-band endpoints of all three dimensions.



Gateway 3: Usability

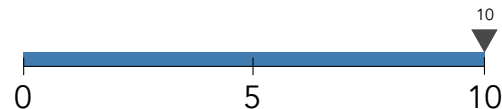
Criterion 3.1 Teacher Supports

Opportunities to effectively plan and utilize materials



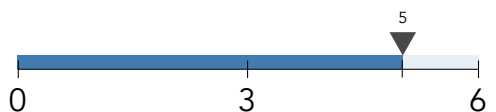
Criterion 3.2 Assessment

Includes a system of assessments that measure student progress towards the standards.



Criterion 3.3 Student Supports

Designed for each child's participation in grade-level content.



Criterion 3.4 Intentional Design

Visual design is engaging and incorporates digital technology.

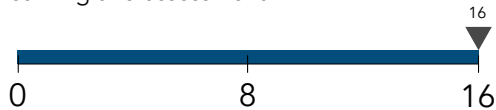
Narrative Evidence Only

Grade 1 Evaluation

Gateway 1: Designed for NGSS

Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

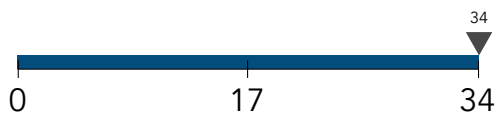
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Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

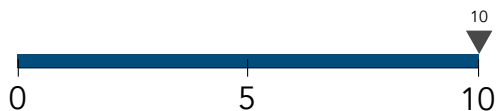
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Gateway 3: Usability

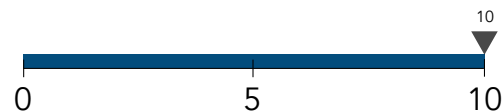
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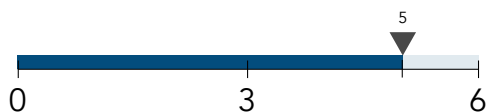
Criterion 3.2 Assessment

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Criterion 3.3 Student Supports

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Criterion 3.4 Intentional Design

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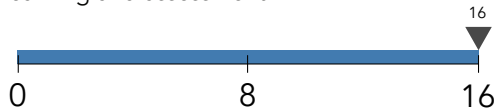
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Grade 2 Evaluation

Gateway 1: Designed for NGSS

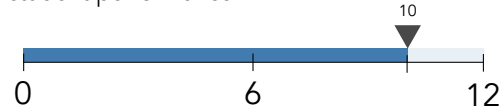
Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

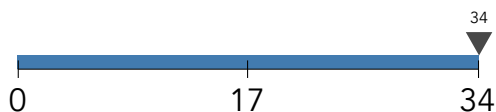
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Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

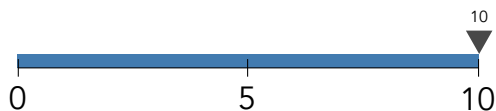
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Gateway 3: Usability

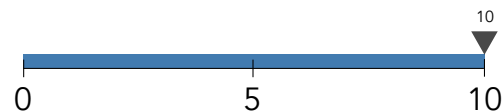
Criterion 3.1 Teacher Supports

Opportunities to effectively plan and utilize materials



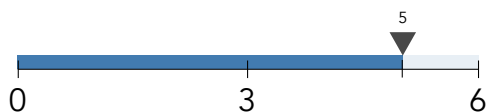
Criterion 3.2 Assessment

Includes a system of assessments that measure student progress towards the standards.



Criterion 3.3 Student Supports

Designed for each child's participation in grade-level content.



Criterion 3.4 Intentional Design

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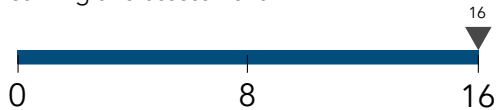
Narrative Evidence Only

Grade 3 Evaluation

Gateway 1: Designed for NGSS

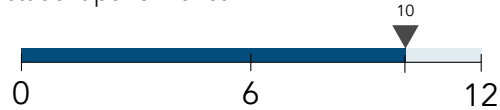
Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

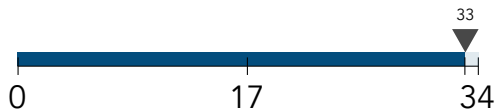
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Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

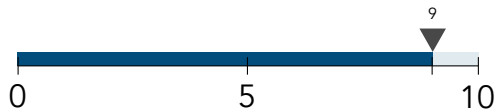
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Gateway 3: Usability

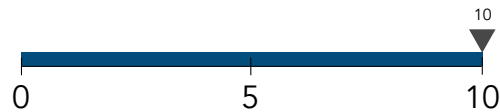
Criterion 3.1 Teacher Supports

Opportunities to effectively plan and utilize materials



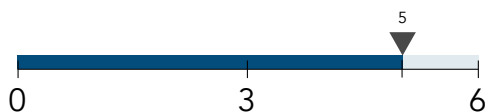
Criterion 3.2 Assessment

Includes a system of assessments that measure student progress towards the standards.



Criterion 3.3 Student Supports

Designed for each child's participation in grade-level content.



Criterion 3.4 Intentional Design

Visual design is engaging and incorporates digital technology.

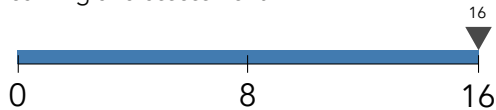
Narrative Evidence Only

Grade 4 Evaluation

Gateway 1: Designed for NGSS

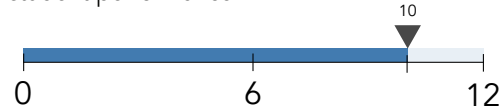
Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

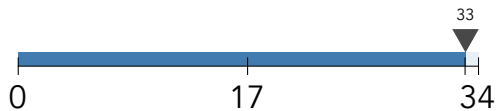
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Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

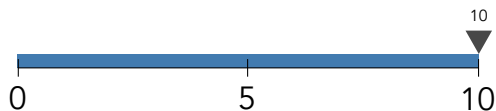
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Gateway 3: Usability

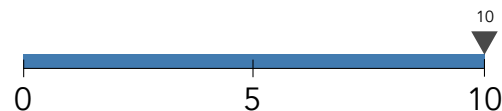
Criterion 3.1 Teacher Supports

Opportunities to effectively plan and utilize materials



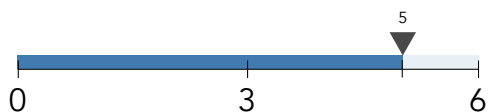
Criterion 3.2 Assessment

Includes a system of assessments that measure student progress towards the standards.



Criterion 3.3 Student Supports

Designed for each child's participation in grade-level content.



Criterion 3.4 Intentional Design

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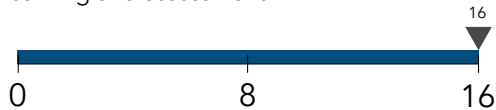
Narrative Evidence Only

Grade 5 Evaluation

Gateway 1: Designed for NGSS

Criterion 1.1 Three-Dimensional Learning

Designed for three-dimensional learning and assessment.



Criterion 1.2 Phenomena and Problems Drive Learning

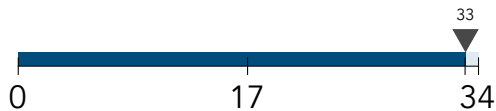
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Gateway 2: Coherence and Scope

Criterion 2.1 Coherence and Scope

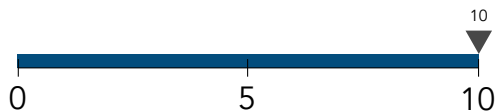
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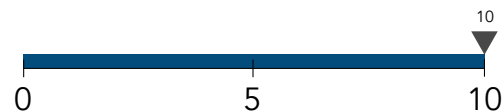
Criterion 3.1 Teacher Supports

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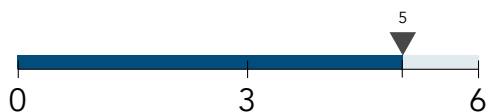
Criterion 3.2 Assessment

Includes a system of assessments that measure student progress towards the standards.



Criterion 3.3 Student Supports

Designed for each child's participation in grade-level content.



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Narrative Evidence Only