

Workshop Agenda



Day One

9:00 – 9:30	Getting Started
9:30 – 9:45	Overview of Project 2061
9:45 – 10:00	Project 2061's Approach to Assessment
10:00 – 10:15	Learning Goals
10:15 – 10:30	BREAK
10:30 – 11:30	Learning Goal Study
11:30 – 12:00	Commonly Held Student Ideas
12:00 – 1:00	LUNCH
1:00 – 2:00	Clarifying Learning Goals
2:00 – 3:45	Team Study Project
3:45 – 4:00	Recap and Reflection

Day Two

9:00 – 9:15	Reflections & Issues
9:15 – 10:15	Content Alignment
10:15 – 10:30	BREAK
10:30 – 11:30	Construct Validity
11:30 – 12:00	Item Critiques (Round 1)
12:00 – 1:00	LUNCH
1:00 – 2:00	Item Critiques (Round 2)
2:00 – 3:45	Team Study
3:45 – 4:00	Recap and Reflection

Day Three

9:00 – 9:15	Reflections & Issues
9:15 – 10:15	Pilot Testing Procedure and Data
10:15 – 10:30	BREAK
10:30 – 11:00	Field Testing Procedure and Analysis
11:00 – 12:00	Project 2061's Assessment Web site
12:00 – 1:00	LUNCH
1:00 – 3:00	Team Study Continued
3:00 – 3:30	Final Reflection/Feedback

Day One Agenda



9:00 - 9:30am ***Getting Started***

Workshop leader and participants introduce themselves. Procedural and technical details of the workshop are discussed.

9:30 - 9:45am ***Overview of Project 2061***

A brief history of Project 2061 and an introduction to Science for All Americans, Benchmarks for Science Literacy, and Atlas of Science Literacy.

9:45 - 10:00am ***Project 2061's Approach to Assessment***

A discussion of Project 2061's principles for assessment and the workshop focus and objectives.

10:00 - 10:15am ***Learning goals***

Participants select a learning goal to focus on and are introduced to the Learning Goal study procedure.

10:15 - 10:30am **BREAK**

10:30 - 11:30am ***Learning goals***

Participants use the Project 2061 resources and NGSS to gain a deeper understanding of a targeted learning goal.

11:30 - 12:30pm ***Commonly Held Student Ideas***

Small groups review selected research on student learning and brainstorm likely misconceptions related to the targeted learning goals.

12:00 - 1:00pm **LUNCH**

1:00 - 2:00pm ***Clarifying a Learning Goal***

Small groups use what they learned during the learning goal study to clarify a learning goal and establish what they think is appropriate for students in middle school. The focus will be on reaching a consensus on the meaning of a learning goal.

2:00 – 3:30pm ***Team Study Project***

The Team Study Project will focus on a specific learning goal that the participants choose themselves. Participants choose team members and clarify a learning goal they would like to assess.

3:30 - 3:45pm ***Presentation & Discussion***

Each team will report on their progress with the Team Study Project.

3:45 - 4:00pm ***Recap & Reflection***

Day Two Agenda



9:00 - 9:15am ***Reflections & Issues***

The group will discuss any questions on the reflections or left over from the previous day.

9:15 - 10:15am ***Content Alignment***

Participants are introduced to Project 2061's content alignment criteria. Small groups work through example items to determine whether they meet the necessity and sufficiency criteria.

10:15 - 10:30am **BREAK**

10:30 - 11:30am ***Construct Validity***

Participants will explore factors not related to the knowledge being measured that may affect students' performance on an item.

11:30 - 12:00pm ***Item Critiques (Round 1)***

Workshop leader guides participants through an analysis of one item using the Project 2061 analysis procedure.

12:00 - 1:00pm **LUNCH**

1:00 - 2:00pm ***Item Critiques (Round 2) & Item Revisions***

Participants continue to critique items in small groups. Critiques are summarized and the items are revised based on the issues raised during the critiques.

2:00 - 3:30pm ***Team Study Project Introduction***

Participants continue to clarify their learning goal and prepare a report, bringing together all the information needed to develop or evaluate assessment items aligned to the learning goal. Using the report they will identify or develop potential items and evaluate the items with the Project 2061 criteria.

3:30 - 3:45pm ***Presentation & Discussion***

Each team will report on their progress with the Team Study Project.

3:45 - 4:00pm ***Recap & Reflection***

Day Three Agenda



9:00 - 9:15am ***Reflections & Issues***

The group will discuss any questions on the reflections or left over from the previous day.

9:15 - 10:15am ***Pilot Testing Procedures & Data***

Workshop leader will describe the pilot test procedure and present examples from Project 2061 pilot tests. Participants will also take a pilot test and discuss the results of their pilot test experience and relevance to item revisions.

10:15 - 10:30am **BREAK**

10:30 - 11:00pm ***Field Testing Procedure & Analysis***

Workshop leader describes the field testing procedure and discusses the Rasch analysis process and how it can be used to analyze student data.

11:00 - 12:00pm ***Project 2061's Science Assessment Website***

Participants are introduced to the Project 2061 Science Assessment Website. They explore the available assessment resources including a bank of high-quality test items that are closely aligned to ideas in national content standards, lists of common misconceptions students may have, and field test results from a national sample of middle and high school students.

12:00 - 1:00pm **LUNCH**

1:00 - 2:30pm ***Team Study Project Work Time***

Participants will continue their Team Study Project and finalize a report summarizing their work.

2:30 - 3:00pm ***Presentation & Discussion***

Each team will present their Team Study Project and participants will discuss them.

3:00 - 3:30pm ***Final Reflection/Feedback***