

The Ultimate Field Trip: Back to the Moon  
AESP Workshop  
North Dakota  
August 2008

Day 1

8:00 – 8:15

Welcome, Introductions, and Expectations  
Video: Lunar Trailer

8:15 – 8:45

What do we think we know about the Moon? (KWL)

8:45 -11:45

Field trip to the Moon (FTTM) from American Museum of Natural History (AMNH)

8:45 – 9:15

FTTM Introduction Video with Discussion

9:15 – 9:45

Part 1 Investigations

9:45 – 10:00

Part 1 Reports

10:00 – 10:45

Part 2 Investigations

10:45 – 11:15

Part 2 Reports

11:15 – 11:45

Wrap-up

11:45 – 12:45 LUNCH

12:45 – 1:00

DLN Overview

1:00 – 2:00

DLN Event – SME on Moon

2:00 – 4:30

Lunar Habitat – Adapted from Exploring the Moon Educator Guide

2:00 – 2:15  
Introduction

2:15 - 3:30  
Designing and Building Lunar Habitat Models

3:30 – 4:30  
Model Presentations

4:30 – 5:00  
Daily Wrap  
Standards  
Resources  
Pedagogy  
Update KWL

## Day 2

8:00 – 8:15  
Recap

8:15 – 11:45  
Investigating the Lunar Surface

8:15 – 9:00  
Remote Sensing and Moon Mineral Mapper Demonstration

9:00 – 9:45  
Lunar Rock ID

9:45 – 11:00  
LCROSS Overview and Regolith Investigation

11:00 – 11:45  
Lunar Security Video and Briefing

11:45 – 12:45 LUNCH

12:45 – 1:15  
Getting to the Moon – Constellation: The Ultimate RV  
Presentation with Video Overview

1:15 – 2:15  
Exploring Space through Algebra – Orion

2:15 – 4:00

Spacesuits (HSM4 and STS-119)

2:15 – 2:45

Current ISS Spacesuits

'What to Wear When You're Out There' Presentation

2:45 – 4:00

Activity

Design a Spacesuit: Impact Test

Design a Spacesuit: Thermal Test

Discussion

Lunar Spacesuit Adaptation and Design

4:00 – 4:30

Wrap-up

Standards

Pedagogy

Best Practices

Workshop Evaluation