

Earth Science Course Setup

Moodle™

In order to set up the Earth Science course on a Moodle™ server, please refer to the step-by-step directions below.

1. Create a new directory on the Moodle™ server named, **EarthSciREV_MC**, in the resource folder. The file path for this is as follows:
.../server/moodle/mod/resource/EarthSciREV_MC
2. Put a copy of the Earth Science files and folders in this newly created **EarthSciREV_MC** folder. The **backup-moodle-Earthscience.mbz** file does not need to be installed onto the server but should be copied to your desktop. This file will be used in step #4. The file structure should look like the following:

 course_info
 dev_module
 glossary
 icons
 instructor_guide
 mod1
 mod10
 mod11
 mod12
 mod2
 mod3
 mod4
 mod5
 mod6
 mod7
 mod8
 mod9
 news
 quiz_images

Earth Science Course Setup

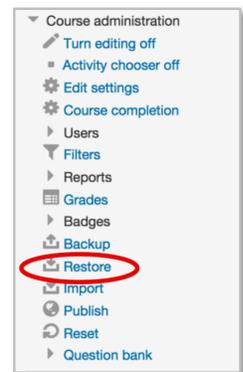
Moodle™



3. After the Earth Science course files and folders have been installed on the Moodle™ server, create a course in Moodle™ to follow a Topics Format with 12 sections.

4. From inside this newly created course shell in Moodle™, run a Restore process using the **backup-moodle-Earthscience.mbz**. The suggested steps for this process are as follows:

- Turn editing on by clicking on the button in the course shell
- In the Course Administration widget, click **Restore**
- Import the **backup-moodle-Earthscience.mbz** file, click **Restore**, and follow the Moodle™ window prompts:



1. Confirm ► 2. Destination ► 3. Settings ► 4. Schema ► 5. Review ► 6. Process ► 7. Complete

- Confirm Page: Click **Continue**
- Destination Page: Use the **Restore into this course** Section and click **Continue**

Restore into this course

Merge the backup course into this course

Delete the contents of this course and then restore

Continue

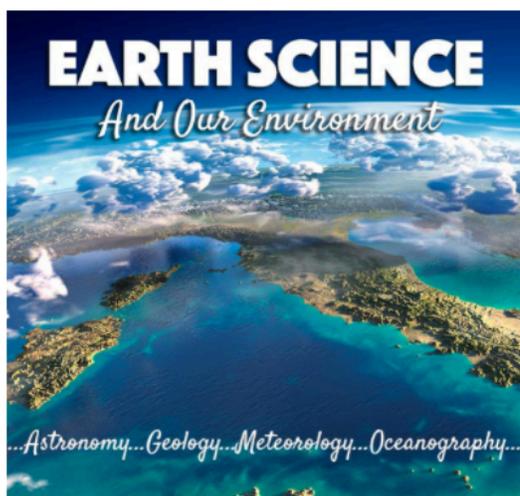
- Settings Page: Click **Next**
- Schema Page: Click **Next**
- Review Page: Click **Perform restore**
- The process runs automatically and then displays the Complete Page: Click **Continue** to return to the populated course

Earth Science Course Setup Moodle™

5. Check that each link works properly. If a window does not open up with displayed content, modify the link to match the naming convention of the Moodle™ server in which the course files were installed. In order to check a link, follow the steps below:
 - a. Click the cog icon or selected **Edit Settings**
 - b. Modify the **External URL** path to correlate with the Moodle™ server (i.e: /mod/resource/EarthSciREV_MC/mod1/top1/intro.html)
 - c. Click **Save and return to course** to view the working link.

6. Once the course is set up, it should look like the following images (*The content, discussions, assignments, and quizzes are built in the course. The question bank is available for creating desired assessments. The gradebook can be configured to follow a school division's or teacher's format and categories.*):

Welcome to Earth Science



-  News forum
 -  Instructor's Guide
 -  Developmental Module
 -  Course Introduction
 -  Course Components and Navigation
-

Earth Science Course Setup

Moodle™

Module 1: What is Earth Science?

-  Module 1 Overview
 -  Topic 1: The Branches of Earth Science
 -  1.1 Application Dropbox
 -  Topic 2: Scientific Investigation
 -  1.2 Application Dropbox
 -  Topic 3: Measurement
 -  1.3 Part A Application Dropbox
 -  1.3 Part B Application Discussion
 -  Module 1 Assessment
 -  Module 1 Assessment Dropbox
 -  Module 1 Summary
-

Module 2: Mapping

-  Module 2 Overview
 -  Topic 1: Mapping the World
 -  2.1 Warm-Up Dropbox
 -  2.1 Application Dropbox
 -  Topic 2: Analyzing Maps
 -  2.2 Warm-Up Dropbox
 -  2.2 Application Dropbox
 -  Topic 3: Topographic Maps
 -  2.3 Application Dropbox
 -  Topic 4: Satellite Imagery and the Global Positioning System
 -  2.4 Warm-Up Discussion
 -  2.4 Application Dropbox
 -  Module 2 Assessment
 -  Module 2 Assessment Dropbox
 -  Module 2 Summary
-

Earth Science Course Setup

Moodle™

Module 3: Astronomy - The Universe

-  Module 3 Overview
-  Topic 1: Cosmology
-  Topic 2: Galaxies and the Milky Way
 -  3.2 Warm-Up Discussion
 -  3.2 Application - Graphic Organizer Dropbox
 -  3.2 Application - Wordle Dropbox
-  Topic 3: Stellar Evolution and Classification
 -  3.3 Application Dropbox
-  Topic 4: The Electromagnetic Spectrum and the Doppler Effect
 -  3.4 Application Dropbox
-  Topic 5: Telescopes and Other Tools
 -  3.5 Application Dropbox
-  Topic 6: Early Astronomers
 -  3.6 Application Quiz
-  Topic 7: Modern Astronomy
 -  3.7 Application Discussion
-  Module 3 Assessment
 -  Module 3 Assessment Dropbox
-  Module 3 Summary

Module 4: Astronomy - The Solar System

-  Module 4 Overview
-  Topic 1: The Formation of the Solar System
 -  4.1 Application Dropbox
-  Topic 2: The Sun
 -  4.2 Warm-Up Discussion
 -  4.2 Application Dropbox
-  Topic 3: The Terrestrial Planets
 -  4.3 Warm-Up Dropbox
 -  4.3 Application Dropbox

Earth Science Course Setup

Moodle™

-  Topic 4: The Jovian Planets
 -  4.4 Warm-Up Dropbox
 -  4.4 Application Dropbox
 -  Topic 5: Other Objects in the Solar System
 -  4.5 Application Quiz
 -  Topic 6: Earth's Moon and Lunar Phases
 -  4.6 Warm-Up Discussion
 -  4.6 Application Dropbox
 -  Topic 7: Sun, Earth, and Moon Systems
 -  4.7 Warm-Up Dropbox
 -  4.7 Application Dropbox
 -  Module 4 Assessment
 -  Module 4 Assessment Dropbox
 -  Module 4 Summary
-

Module 5: Minerals

-  Module 5 Overview
-  Topic 1: Matter
 -  5.1 Application Dropbox
-  Topic 2: Minerals
 -  5.2 Warm-Up Discussion
 -  5.2 Application Dropbox
-  Topic 3: Identification of Minerals
 -  5.3 Warm-Up Dropbox
 -  5.3 Application Dropbox
-  Module 5 Assessment
 -  Module 5 Assessment Dropbox
-  Module 5 Summary

Earth Science Course Setup

Moodle™

Module 6: Rocks

-  [Module 6 Overview](#)
-  [Topic 1: Igneous Rocks](#)
 -  [6.1 Application Dropbox](#)
-  [Topic 2: Sedimentary Rocks](#)
 -  [6.2 Application Dropbox](#)
-  [Topic 3: Metamorphic Rocks](#)
 -  [6.3 Application Dropbox](#)
-  [Topic 4: The Rock Cycle](#)
 -  [6.4 Warm-Up Discussion](#)
-  [Module 6 Assessment](#)
 -  [Module 6 Assessment Dropbox](#)
-  [Module 6 Summary](#)

Module 7: Plate Tectonics and Earth's Structure

-  [Module 7 Overview](#)
-  [Topic 1: Earth's Structure](#)
 -  [7.1 Application Dropbox](#)
-  [Topic 2: Plate Tectonics](#)
 -  [7.2 Application Dropbox](#)
-  [Topic 3: Volcanoes](#)
 -  [7.3 Application Dropbox](#)
-  [Topic 4: Earthquakes](#)
 -  [7.4 Warm-Up Discussion](#)
 -  [7.4 Application Quiz](#)
-  [Module 7 Assessment](#)
 -  [Module 7 Assessment Dropbox](#)
-  [Module 7 Summary](#)

Earth Science Course Setup

Moodle™

Module 8: Weathering, Erosion, and Groundwater

-  Module 8 Overview
-  Topic 1: Weathering
 -  8.1 Application Dropbox
-  Topic 2: Karst Topography
 -  8.2 Application Dropbox
-  Topic 3: Soils
 -  8.3 Warm-Up Discussion
 -  8.3 Application Dropbox
-  Topic 4: Erosion and Deposition
 -  8.4 Application Dropbox
-  Topic 5: Surface Water
 -  8.5 Application Dropbox
-  Topic 6: Groundwater
 -  8.6 Application Quiz
-  Module 8 Assessment
 -  Module 8 Assessment Dropbox
-  Module 8 Summary

Module 9: Earth's History

-  Module 9 Overview
-  Topic 1: Relative Dating
 -  9.1 Warm-Up Discussion
 -  9.1 Application Quiz
-  Topic 2: Radiometric Dating
 -  9.2 Warm-Up Dropbox
 -  9.2 Application Dropbox
-  Topic 3: Geologic Time
 -  9.3 Application Dropbox
-  Topic 4: Fossils
-  Module 9 Assessment
 -  Module 9 Assessment Dropbox
-  Module 9 Summary

Earth Science Course Setup

Moodle™

Module 10: Resources and Virginia's Geology

-  Module 10 Overview
-  Topic 1: Renewable and Nonrenewable Resources
 -  10.1 Warm-Up Dropbox
 -  10.1 Application Dropbox
-  Topic 2: Fossil Fuel Energy Resources
 -  10.2 Application Dropbox
-  Topic 3: Alternative Energy Resources
 -  10.3 Application Dropbox
-  Topic 4: Virginia Geology and Resources
 -  10.4 Application Dropbox
-  Topic 5: Virginia Watersheds and the Chesapeake Bay
 -  10.5 Application Quiz
-  Module 10 Assessment
 -  Module 10 Assessment Dropbox

Module 11: Meteorology

-  Module 11 Overview
-  Topic 1: Earth's Atmosphere
 -  11.1 Warm-Up Dropbox
 -  11.1 Application Dropbox
-  Topic 2: Clouds and Precipitation
 -  11.2 Application Dropbox
-  Topic 3: Weather and Climate
 -  11.3 Application Dropbox
-  Topic 4: Weather Observations
 -  11.4 Warm-Up Discussion
 -  11.4 Application Dropbox
-  Topic 5: Interpreting Weather Maps
 -  11.5 Warm-Up Dropbox
 -  11.5 Application Dropbox
-  Topic 6: Severe Weather
 -  11.6 Application Dropbox

Earth Science Course Setup

Moodle™

 Topic 7: Changes in the Atmosphere

 11.7 Application Dropbox

 Module 11 Assessment

 Module 11 Assessment Dropbox

 Module 11 Summary

Module 12: Oceanography

 Module 12 Overview

 Topic 1: The Blue Planet

 Topic 2: Ocean Movement - Waves and Tides

 12.2 Application Dropbox

 Topic 3: Salinity and Ocean Circulation

 12.3 Application Dropbox

 Topic 4: Ocean Geomorphology

 12.4 Application Dropbox

 Topic 5: Ocean Life

 12.5 Application Quiz

 Topic 6: Environmental, Economic, and Public Policy and the Oceans

 12.6 Warm-Up Discussion

 12.6 Application Dropbox

 Module 12 Assessment

 Module 12 Assessment Dropbox

 Module 12 Summary

Earth Science Course Setup

Moodle™

The following image illustrates the question banks and quiz questions that are included in the backup file:

- **Course Question Banks (0)** × ✖ ↓
 - **Module 1: What is Earth Science? (27)** × ✖ ← ↓
 - **Module 2: Mapping (35)** × ✖ ← ↑ ↓ →
 - **Module 3: Astronomy - The Universe (48)** × ✖ ← ↑ ↓ →
 - **Module 4: Astronomy - The Solar System (54)** × ✖ ← ↑ ↓ →
 - **Module 5: Minerals (28)** × ✖ ← ↑ ↓ →
 - **Module 6: Rocks (28)** × ✖ ← ↑ ↓ →
 - **Module 7: Plate Tectonics and Earth's Structure (45)** × ✖ ← ↑ ↓ →
 - **Module 8: Weathering, Erosion, and Groundwater (46)** × ✖ ← ↑ ↓ →
 - **Module 9: Earth's History (23)** × ✖ ← ↑ ↓ →
 - **Module 10: Resources and Virginia Geology (67)** × ✖ ← ↑ ↓ →
 - **Module 11: Meteorology (61)** × ✖ ← ↑ ↓ →
 - **Module 12: Oceanography (84)** × ✖ ← ↑ →
- **Course Quiz Questions (0)** × ✖ ↑ ↓ →
 - **10.5 Application Quiz (17)** × ✖ ← ↓
 - **12.5 Application Quiz (8)** × ✖ ← ↑ ↓ →
 - **3.6 Application Quiz (12)** × ✖ ← ↑ ↓ →
 - **4.5 Application Quiz (10)** × ✖ ← ↑ ↓ →
 - **7.4 Application Quiz (12)** × ✖ ← ↑ ↓ →
 - **8.6 Application Quiz (10)** × ✖ ← ↑ ↓ →
 - **9.1 Application Quiz (8)** × ✖ ← ↑ →

Visit the Instructor's Guide to view important information about the contents of this course. This course has been designed using rapid e-learning software. This technology allows you to view all of the course components on different types of devices. The software is smart. It will deliver interactivities in a format that is compatible with your device, making this course fully functional on a desktop computer, laptop, tablet, mobile device or a smartphone.