In order to set up the Earth Science course on a Desire2Learn[®] (D2L[®]) server, please refer to the step-by-step directions below.

- 1. Create a new course in $D2L^{\ensuremath{\mathbb{R}}}$.
- 2. Upload the files and folders into the Manage Files area of the course. 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



🖮 quizzing
Cripts
template-css
template-images
🚞 templates

 After the Earth Science course files and folders have been installed in the Manage Files area, go to the Import/Export/Copy Components area of the course and select Import and Start.

Import Components
Start

- 4. Import the **D2LExport_WHROEarthscience.zip** file:
 - a. Browse to your saved D2LExport_WHROEarthscien ce.zip file and upload it
 - b. Click on the Import All Components button – the process will begin to run
 - c. Click the **View Content** button to view the course

Select File	
You are about to import	a course from a file.
Drag and drop your co file should be a .zip or add a module in Conte	nurse package here or use the "Upload" button to browse to your file. The another archive format. To add individual content (.doc, .ppt, .jpg, etc.), ant and place your file there.
What is a course p	ackage? >
What formats are s	supported? >
Can I import only	parts of my course? >

5. Once the course is set up, it should look like the following images (*The News*, *Content*, *Discussions*, *Dropboxes*, *Quizzes*, *and Question Library are built in the course*. *The Question Library is available for creating desired assessments*. *The Grades tool can be configured to follow a school division's or teacher's format and categories*.):



News Area:



Content Area:

E Course Overview	\sim
New Add Existing Activities	
E Course Overview T	\checkmark
Instructor's Guide	~
	🖬 Draft 🔻
New Add Existing Activities	
🗉 🛞 Instructor's Guide 🔻	\checkmark



Developmental Module		~
New Add Existing Activities		
E Developmental Module •	~	/

Module 1: What is Earth Science?	\sim
New Add Existing Activities	
Module 1 Overview •	\checkmark
Topic 1: The Branches of Earth Science	\checkmark
Topic 2: Scientific Investigation	\checkmark
E Topic 3: Measurement	\checkmark
Module 1 Assessment •	\checkmark
E Module 1 Summary •	\checkmark
Module 2: Mapping	\lor
New Add Existing Activities	
Module 2 Overview	1
Topic 1: Mapping the World 🔹	1
Topic 2: Analyzing Maps 💌	1
Topic 3: Topographic Maps 💌	1
Topic 4: Satellite Imagery and the Global Positioning System	1
B Module 2 Assessment •	1

🛛 🗟 Module 2 Summary

EDUCATION

T



Module 4: Astronomy - The Solar System	\sim
New Add Existing Activities	
Module 4 Overview •	\checkmark
Topic 1: The Formation of the Solar System	\checkmark
E Topic 2: The Sun 🔻	\checkmark
Topic 3: The Terrestrial Planets	\checkmark
E Topic 4: The Jovian Planets 🔻	\checkmark
Ξ Sopic 5: Other Objects in the Solar System ▼	\checkmark
E Topic 6: Earth's Moon and Lunar Phases 🔻	\checkmark
Topic 7: Sun, Earth, and Moon Systems 🔹	\checkmark
Module 4 Assessment •	\checkmark
E Module 4 Summary ▼	\checkmark
Module 5: Minerals	\vee
New Add Existing Activities	
B Module 5 Overview •	\checkmark
Topic 1: Matter 💌	~
Topic 2: Minerals	\checkmark
Topic 3: Identification of Minerals	4
Module 5 Assessment	\checkmark
B Module 5 Summary V	~

E Module 6: Rocks	\sim
New Add Existing Activities	
Module 6 Overview	\checkmark
Topic 1: Igneous Rocks	\checkmark
Topic 2: Sedimentary Rocks	\checkmark
Topic 3: Metamorphic Rocks	\checkmark
	\checkmark
∃ Module 6 Assessment ▼	\checkmark
E Module 6 Summary	\checkmark

Module 7: Plate Tectonics and Earth's Structure	\sim
New Add Existing Activities	
Module 7 Overview •	\checkmark
Topic 1: Earth's Structure	\checkmark
Topic 2: Plate Tectonics	\checkmark
E Topic 3: Volcanoes •	\checkmark
E Topic 4: Earthquakes	\checkmark
Module 7 Assessment •	\checkmark
Module 7 Summary •	\checkmark



EDUCATION

Module 8: Weathering, Erosion, and Groundwater	\sim
New Add Existing Activities	
Module 8 Overview	\checkmark
Topic 1: Weathering	\checkmark
E Topic 2: Karst Topography •	\checkmark
E Topic 3: Soils ▼	\checkmark
Topic 4: Erosion and Deposition	\checkmark
Topic 5: Surface Water	\checkmark
Topic 6: Groundwater	\checkmark
E Module 8 Assessment ▼	\checkmark
E Module 8 Summary ▼	\checkmark
Module 9: Earth's History	~
New Add Existing Activities	
Module 9 Overview	Ś
Topic 1: Relative Dating 💌	1
Topic 2: Radiometric Dating	1
Topic 3: Geologic Time 💌	Ś
Topic 4: Fossils 🔹	Ś
Module 9 Assessment •	Ś
■ Module 9 Summary ▼	V
1	

Module 10: Resources and Virginia Geology	\sim
New Add Existing Activities	
Module 10 Overview	\checkmark
Topic 1: Renewable and Nonrenewable Resources	\checkmark
Topic 2: Fossil Fuel Energy Resources 🔻	\checkmark
Topic 3: Alternative Energy Resources 🔹	\checkmark
Topic 4: Virginia Geology and Resources	\checkmark
Topic 5: Virginia Watersheds and the Chesapeake Bay	\checkmark
Module 10 Assessment	\checkmark
Module 10 Summary •	\checkmark



Module 11: Meteorology	\sim
New Add Existing Activities 	
Module 11 Overview	\checkmark
Topic 1: Earth's Atmosphere •	\checkmark
Topic 2: Clouds and Precipitation	\checkmark
Topic 3: Weather and Climate	\checkmark
Topic 4: Weather Observations	\checkmark
Topic 5: Interpreting Weather Maps *	\checkmark
Topic 6: Severe Weather	\checkmark
Topic 7: Changes in the Atmosphere	\checkmark
Module 11 Assessment	\checkmark
E Module 11 Summary	\checkmark



Module 12: Oceanography	\sim
New Add Existing Activities	
E Module 12 Overview •	\checkmark
Topic 1: The Blue Planet	\checkmark
Topic 2: Ocean Movement - Waves and Tides	\checkmark
Topic 3: Salinity and Ocean Circulation	\checkmark
Topic 4: Ocean Geomorphology •	\checkmark
E Topic 5: Ocean Life 🔻	\checkmark
Topic 6: Environmental, Economic, and Public Policy and the Oceans	\checkmark
Module 12 Assessment	\checkmark
Module 12 Summary •	\checkmark

Discussions Area:

Discussions List Subscript	tions Group and Section Restrictions	Statistics		🗱 Settings 🕜 Help
New More Actions				
Filter by: Unread Unapproved				Y Hide All Topics
Module 1: What is Earth S	Science? 🔹			
\geq Hide Topics for Module 1: What is	s Earth Science?			
Торіс		Threads	Posts	Last Post
1.3 Part B Application Disc. In topic 3 of module 1, you learne units than most of the rest of the wi- affect the relationships between oth of how measurement on different sc Post your ideas to the discussion bo- to read your coursemates' posts. Re questions, and encourage further co Before you begin, access the Measu- page in the course to make sure that to use resources outside of this cound document. If you need assistance resources that you used.	ussion - add that the United States uses a different system orld. In what ways could having a different system ther countries and the United States? Think about co- cales can affect all aspects of life. bard. Then, return to the topic several times over the teply to at least two of them, making sure to offer monversation. <i>urement Across the World Discussion Rubric</i> on the at you include all of the items required for full credit rse to complete this assignment. If so, please subm c, visit the Developmental Module for information	0 of measurement ncrete examples ne next few days new insights, ask a 1.3 Application t. You may need nit a Works Cited n on citing any	0	



Module 2: Mapping •

 \checkmark Hide Topics for Module 2: Mapping

Торіс	Threads	Posts	Last Post
2.4 Warm-Up Discussion 🔹	0	0	
Pretend for a moment that you and a group of friends were asked to embark on a challenge. The challenge splits you and your friends into two separate groups. One group would be allowed to use a GPS, and the other would be given a set of detailed maps and a compass. The groups would then be brought to a location in a forest environment and asked to travel the same predetermined course. With which group would you rather be? Who do you think will make it through the course first? Which group will have the easier time navigating the course? Before you answer, think about the challenges that both groups may encounter.			
Post your responses to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 3: Astronomy - The Universe 🔹

\geq Hide Topics for Module 3: Astronomy - The Universe

Торіс	Threads	Posts	Last Post
3.2 Warm-Up Discussion 👻	0	0	
In 1980, the American astronomer and astrophysicist Carl Sagan wrote in his award-winning book <u>Cosmos</u> :			
Where are we? Who are we? We find that we live on an insignificant planet of a hum-drum star lost in a galaxy tucked away in some forgotten corner of a universe in which there are far more galaxies than people.			
What do you think he means by this quote? Do you agree or disagree with him? Why? Post your responses to these questions in the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to ask questions and encourage further conversation.			
3.7 Application Discussion 👻	0	0	
The advancements made by modern astronomers have impacted the development of the field of astronomy, but have also left a lasting imprint on human civilization as a whole. Of the contributions that you explored in this topic, which one do you think has had the largest impact on human civilization? Is it also the most important astronomical contribution? Why or why not? Post your response in the discussions area. Then, return to the topic several times over the next few days to read your classmates' posts. Reply to at least two of them, making sure to offer new insight, ask questions, and encourage further discussion.			
Before you begin, access the Modern Astronomy Contribution Discussion Rubric on the 3.7 Application page in the course to make sure that you include all of the items required for full credit. You may need to use resources outside of this course to complete this assignment. If so, please attach a Works Cited document to your initial post. If you need assistance, visit the Developmental Module for information on citing any resources that you used.			

Module 4: Astronomy - The Solar System •

 $\scriptstyle{ imes}$ Hide Topics for Module 4: Astronomy - The Solar System

Торіс	Threads	Posts	Last Post
4.2 Warm-Up Discussion 🔹	0	0	
You may already know that the Sun is the largest body in the Solar System. What function does it serve in the Solar System? Is it even important? How do you think it impacts life on Earth? How do you think the Solar System would be different without the Sun?			
Post your responses to these questions in the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to ask questions and encourage further conversation.			
4.6 Warm-Up Discussion 🔹	0	0	
Once you have viewed the video prompt on the 4.6 Warm-Up page, answer the question that it provides in the course discussions area. It is fine if you do not know the technical reasons for explaining what you see; however, you need to put forth your best hypothesis in your initial post. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to ask questions and encourage further conversation.			



Module 5: Minerals •

\geq Hide Topics for Module 5: Minerals

Торіс	Threads	Posts	Last Post
5.2 Warm-Up Discussion 👻	0	0	
Consider this quote by the 26th President of the United States, Theodore Roosevelt:			
"I recognize the right and duty of this generation to develop and use our natural resources, but I do not recognize the right to waste them, or to rob by wasteful use, the generations that come after us."			
What do you think are some of the most important uses for our natural mineral resources? What are some uses that you consider to be wasteful? What can you do to reduce the waste of natural resources, such as minerals, in your house? Post your responses to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 6: Rocks •

✓ Hide Topics for Module 6: Rocks

Торіс	Threads	Posts	Last Post
6.4 Warm-Up Discussion 🔻	0	0	
You have now spent quite a bit of time studying rocks, which are extremely important to your study of geology and Earth science. It may seem like the study of rocks only occurs for the sake of science and learning more about the natural world, but people study rocks for other reasons, too. Why might the study of rocks be important? What different purposes do rocks serve for humans?			
Post your responses to these questions to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 7: Plate Tectonics and Earth's Structure 🔹

\geq Hide Topics for Module 7: Plate Tectonics and Earth's Structure

Торіс	Threads	Posts	Last Post
7.4 Warm-Up Discussion You have probably seen the map on the 7.4 Warm-Up page when you studied some basic information about plate tectonics. This image depicts earthquake epicenters, or the point on the Earth's surface directly above the origination of an earthquake, from 1963 through 1998. You now know that these seismic events occur around plate boundaries. What you may not have noticed is that there are many major cities located on these plate boundaries. Some of those cities include Los Angeles, Tokyo, Istanbul, Tehran, Mexico City, New Delhi, Kathmandu, San Francisco, and many more.	0	0	
Would you move to a city like Tokyo or San Francisco, where a huge earthquake could strike at any time? Why do you think people live in these locations? How big do you think the risk really is? Respond to these questions in the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 8: Weathering, Erosion, and Groundwater 🔹

$\scriptstyle{ imes}$ Hide Topics for Module 8: Weathering, Erosion, and Groundwater

Торіс	Threads	Posts	Last Post
8.3 Warm-Up Discussion 🔻	0	0	
In this topic, you will learn about different methods that societies use to try to protect soil, since it is such a precious resource. Take a look at the picture to the right on the 8.3 Warm-Up page. It depicts one of these techniques. What do you think this technique is called? How do you think it prevents soil depletion? Where do you think this technique is primarily used? Why? Post your responses to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, being sure to offer new insights, ask questions, and encourage further conversation.			



Module 9: Earth's History 🔹

\geq Hide Topics for Module 9: Earth's History

Торіс	Threads	Posts	Last Post
9.1 Warm-Up Discussion 👻	0	0	
Tracks of organisms are important trace fossils. Animal tracks that have fossilized can tell scientists the approximate time on the geologic time scale that an organism existed. While the tracks are not evidence of the fossil's main skeletal structure, the tracks provide clues about the size and weight of the organism. In the image shown on the 9.1 Warm-Up page, you can see the tracks of two different dinosaurs.			
What can you tell about the organisms by looking at the tracks? Why? Can you tell which tracks are the oldest? Why? Respond to these questions in the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 11: Meteorology 🔹

$\scriptstyle{\searrow}$ Hide Topics for Module 11: Meteorology

Торіс	Threads	Posts	Last Post
11.4 Warm-Up Discussion 🔻	0	0	
Everyone has a weather-related story because weather is very important in people's every day lives. Weather affects what you wear, what you do, and sometimes, weather can impact your safety. What is your weather story? How has weather impacted your life? Is there any certain weather related event that stands out? Post your responses to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			

Module 12: Oceanography 🔹

\geq Hide Topics for Module 12: Oceanography

Торіс	Threads	Posts	Last Post
12.6 Warm-Up Discussion 👻	0	0	
In topic 12.6, you will learn quite a bit about how ocean pollution is impacting Earth's oceans and industries. You will also explore some of the laws and policies that have been put in place to try and protect this valuable resource. Some of this protection comes from private citizens, while some comes from the government.			
Who do you think is more responsible for preventing pollution, individual people or the government? When pollution occurs, who do you think should pay for clean-up? Post your responses to the discussions area. Then, return to the topic several times over the next few days to read your coursemates' posts. Reply to at least two of them, making sure to offer new insights, ask questions, and encourage further conversation.			



Dropbox Area:

EDUCATIO

_	New Folder More Actions				
	🛛 🤣 Bulk Edit			200 🔻	per page
	Folder	Total Files	Unread Files	Flagged	Due Dat
	Module 1: What is Earth Science? 🧷 💼				
	1.1 Application Dropbox	0	0	0	
	1.2 Application Dropbox 👻	0	0	0	
	1.3 Part A Application Dropbox 👻	0	0	0	
	Module 1 Assessment Dropbox 👻	0	0	0	
	Module 2: Mapping 🥜 💼			1	1
	2.1 Warm-Up Dropbox	0	0	0	
	2.1 Application Dropbox	0	0	0	
	2.2 Warm-Up Dropbox	0	0	0	
	2.2 Application Dropbox 👻	0	0	0	
	2.3 Application Dropbox 👻	0	0	0	
	2.4 Application Dropbox 👻	0	0	0	
	Module 2 Assessment Dropbox 👻	0	0	0	
	Module 3: Astronomy - The Universe 🥜 💼				
	3.2 Application - Graphic Organizer Dropbox 👻	0	0	0	
	3.2 Application - Wordle Dropbox 👻	0	0	0	
	3.3 Application Dropbox 👻	0	0	0	
	3.4 Application Dropbox 👻	0	0	0	
	3.5 Application Dropbox 👻	0	0	0	
	Module 3 Assessment Dropbox 👻	0	0	0	
	Module 4: Astronomy - The Solar System 🥜 💼				
	4.1 Application Dropbox 👻	0	0	0	
	4.2 Application Dropbox 🔻	0	0	0	
	3.3 Warm-Up Dropbox 🔻	0	0	0	
	3.3 Application Dropbox	0	0	0	
	4.4 Warm-Up Dropbox 🔻	0	0	0	
	4.4 Application Dropbox 👻	0	0	0	
	4.6 Application Dropbox 👻	0	0	0	
	4.7 Warm-Up Dropbox 🔻	0	0	0	
	4.7 Application Dropbox 👻	0	0	0	
	Module 4 Assessment Dropbox 👻	0	0	0	
	Module 5: Minerals 🥜 💼				
	5.1 Application Dropbox 👻	0	0	0	
	5.2 Application Dropbox	0	0	0	
	5.3 Warm-Up Dropbox	0	0	0	
	5.3 Application Dropbox	0	0	0	
	Module 5 Assessment Dropbox	0	0	0	
	Module 6: Rocks 🧭 🔟				
	6.1 Application Dropbox	0	0	0	
	6.2 Application Dropbox	0	0	0	
	6.3 Application Dropbox	0	0	0	
	Module 6 Assessment Dropbox 👻	0	0	0	
	Module 7: Plate Tectonics and Earth's Structure 🥜 🛅				
11	/.1 Application Dropbox 👻	0	0	0	
	7.2 Application Dropbox 👻	0	0	0	

Module 9: Earth's History 🥜 💼						
9.2 Warm-Up Dropbox 👻	0	0	0			
9.2 Application Dropbox 👻	0	0	0			
9.3 Application Dropbox 👻	0	0	0			
Module 9 Assessment Dropbox 👻	0	0	0			
Module 10: Resources and Virginia Geology 🥜 💼						
10.1 Warm-Up Dropbox 👻	0	0	0			
10.1 Application Dropbox 🐨	0	0	0			
10.2 Application Dropbox 👻	0	0	0			
10.3 Application Dropbox 🐨	0	0	0			
10.4 Application Dropbox 🐨	0	0	0			
Module 10 Assessment Dropbox 👻	0	0	0			
Module 11: Meteorology 🕜 💼						
11.1 Warm-Up Dropbox 👻	0	0	0			
11.1 Application Dropbox 👻	0	0	0			
11.2 Application Dropbox 👻	0	0	0			
11.3 Application Dropbox 👻	0	0	0			
11.4 Application Dropbox 🐨	0	0	0			
11.5 Warm-Up Dropbox 👻	0	0	0			
11.5 Application Dropbox 👻	0	0	0			
11.6 Application Dropbox 👻	0	0	0			
11.7 Application Dropbox 👻	0	0	0			
Module 11 Assessment Dropbox	0	0	0			
Module 12: Oceanography 🥜 💼						
12.2 Application Dropbox	0	0	0			
12.3 Application Dropbox	0	0	0			
12.4 Application Dropbox 👻	0	0	0			
12.6 Application Dropbox	0	0	0			
Module 12 Assessment Dropbox 👻	0	0	0			



Quiz Area:

Ma	anage Quizzes Question Library Statistics	🕜 Help
N	New Quiz Edit Categories More Actions ▼	
	View: By Category	- Apply
	🍫 Bulk Edit	
	Module Quizzes	Published
	3.6 Application 💌 (inactive)	
	Always Available	
	4.5 Application (inactive)	-
	7.4 Application (inactive)	
	Always Available	-
	8.6 Application V (inactive)	-
	Always Available	
	9.1 Application (inactive) Always Available	-
	10.5 Application V (inactive)	
	Always Available	-
	12.5 Application (inactive)	-
	Alwaye Available Sample Question Banks for instructor viewing purposes only.	Published
	Module 1 Question Bank v (inactive)	
	Always Available	-
	Module 2 Question Bank 🔻 (inactive)	-
	Always Available	
	Module 3 Question Bank 🔻 (inactive)	-
	Always Available	
	Module 4 Question Bank 🔻 (inactive)	-
	Always Available	
	Module 5 Question Bank V (inactive)	-
	Always Available	
	Always Available	-
	Module 7 Question Bank v (inactive)	
	Always Available	-
	Module 8 Question Bank 🔻 (inactive)	_
	Always Available	
	Module 9 Question Bank 🔻 (inactive)	-
	Always Available	
	Module 10 Question Bank 💌 (inactive)	-
	Module 11 Question Bank 💌 (inactive)	
	Always Available	-
	Module 12 Question Bank 🔻 (inactive)	
	Always Available	-



Question Library Area:

Q	Question Library							
	New 🔻 Import							
	🎲 Move	前 Delete	🔃 Order	Edit Values	Publish to LOR			
	Name (click question name to edit)							
	눹 Module 1							
	Dia Module 2							
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	눹 Module 9							
	눹 Module 10) 🐨						
	Dodule 11	L 🐨						
	Dodule 12	2 🐨						
	Total: 12 Sections							

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.

