

Canvas -Story Board and Mock up-Design & Development Phase

This storyboard outlines Module/lesson-level interactions, instructional strategies. Designed as an interactive eLearning module for 6th grade learners to address a learning gap in environmental science

Authoring tool: Canvas LMS

Project Title: Identify and classify natural resources as renewable or non-renewable and apply learning through a real-world project

Target Audience: 6th Grade Students

Duration

- 3 days (40 minutes per session) under teacher guidance
- Structured to support scaffolded learning progression
- Flexible delivery: hybrid, online, self-paced, or classroom

Course Learning Goal

By the end of the unit (Course) Students will be able to: Accurately identify and classify natural resources as renewable or non-renewable by understanding their characteristics and applying this knowledge by creating their own project with real-world examples with 80% of Accuracy.

Course Welcome page (Home Page)- Course Overview Screen

Title Screen: Home page - Welcome to Renewable and Non-Renewable Natural Resources

Purpose: Introduce course, set expectations, guide navigation

On-Screen Content:

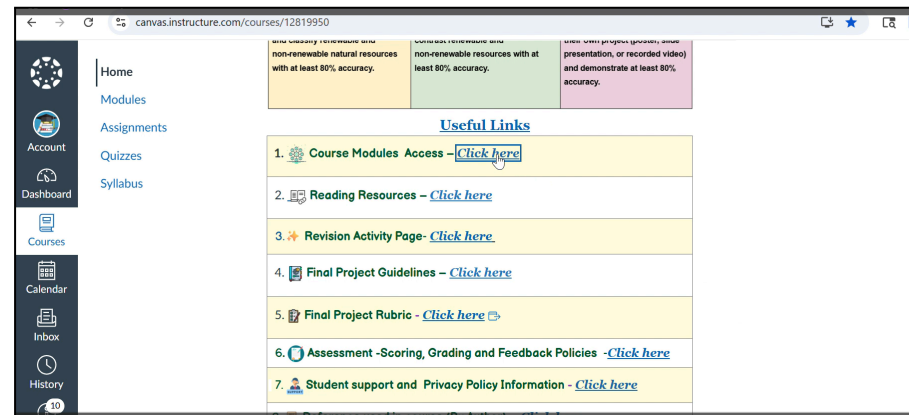
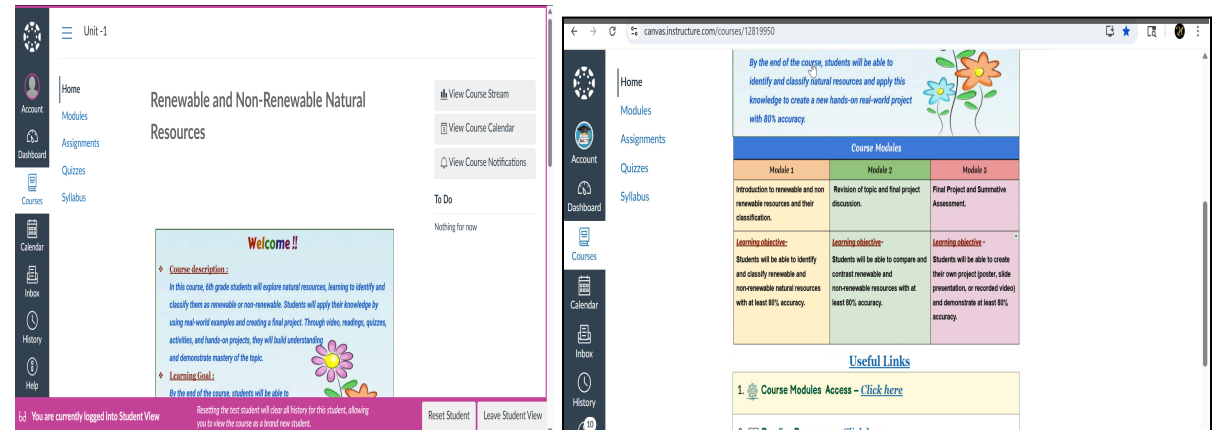
- Welcome message - Course Introduction
- Course learning goal
- Module breakdown (Day 1, 2, 3)
- Navigation buttons:
 - Module links
 - Course Resources and other useful links easy to access

Media Elements:

- Banner image (nature/resources)
- Icons for modules

Learner Interaction:

- Clickable buttons to navigate modules
- Optional intro discussion



Canvas Features Used:

- Pages
- Modules
- Buttons (linked pages)

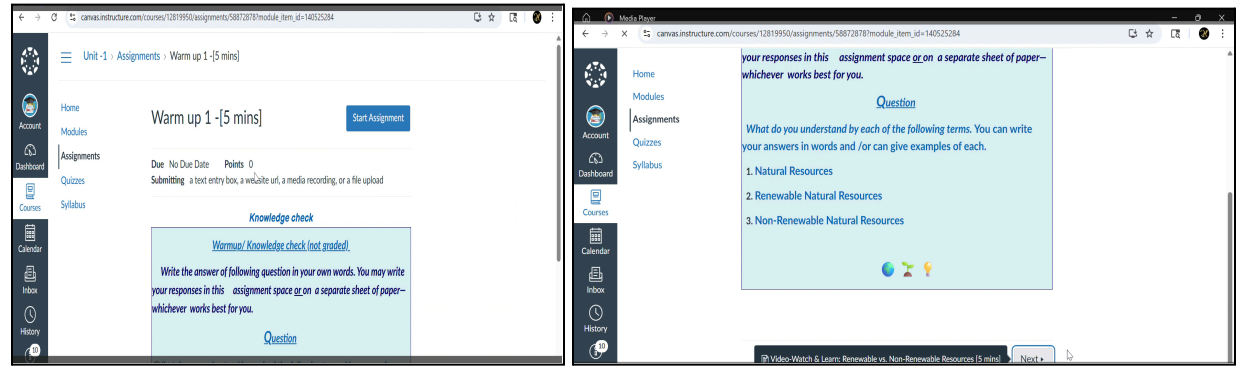
Module 1 (Day 1 – Foundations)

Screen 1.1 : Warm-Up 1

Purpose: Activate prior knowledge/Gain attention (Gagné Event)

On Screen Content: Question: to check previous knowledge about topic

Interaction: Canvas Assignment (text/audio/video submission)



Screen 1.2: Introductory Video

Purpose: Topic introduction

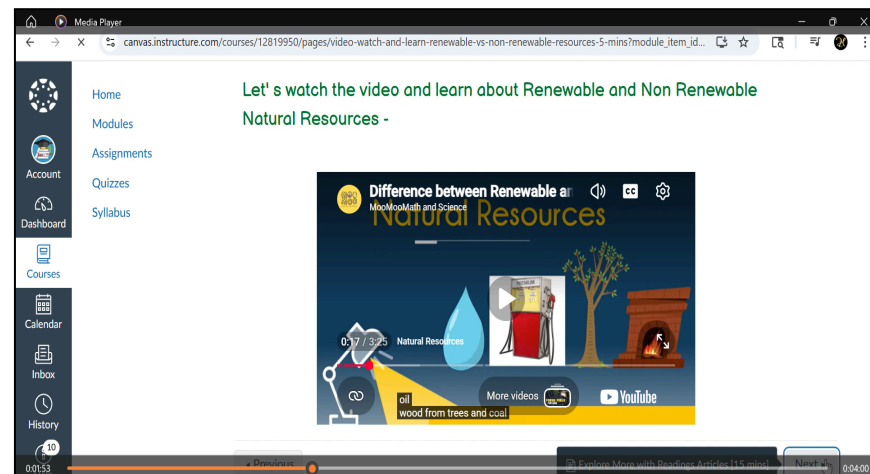
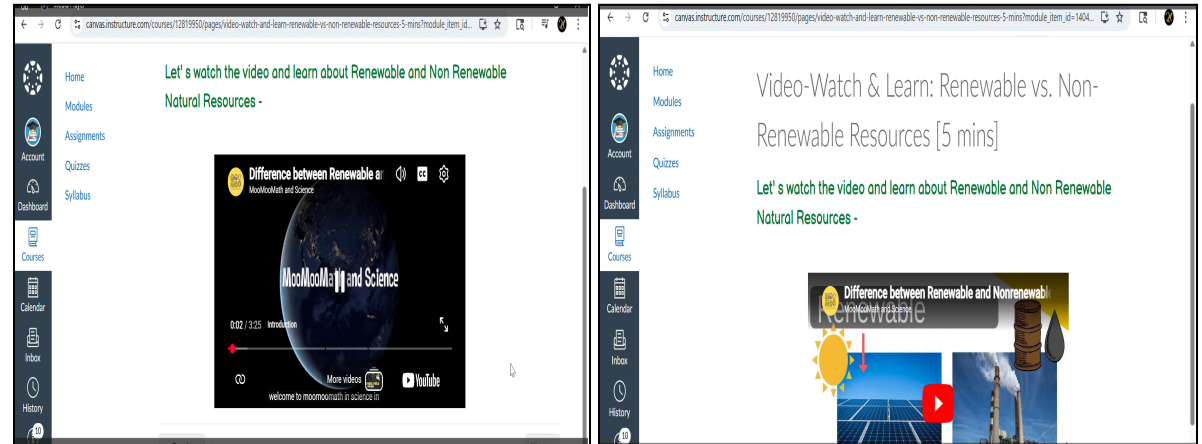
On Screen Content: Embedded video

explaining:

- Natural resources
- Renewable vs non-renewable

User Interaction: Play, pause, captions

Accessibility: Closed captions, Transcript



Screen 1.3: Guided Readings

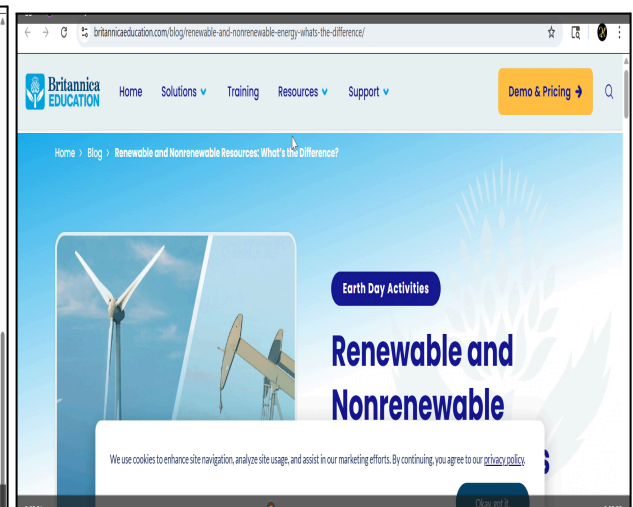
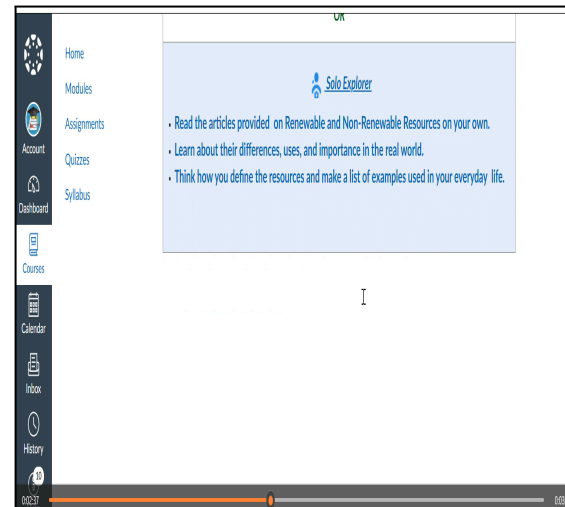
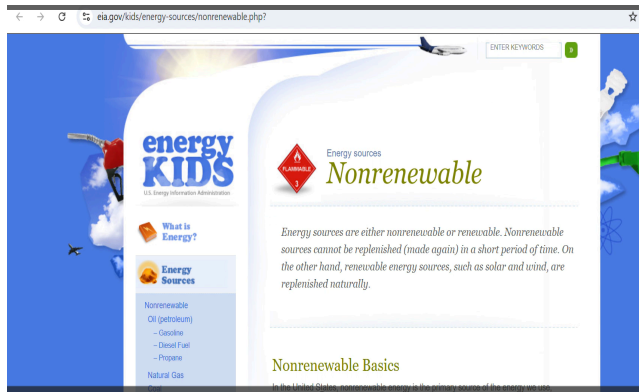
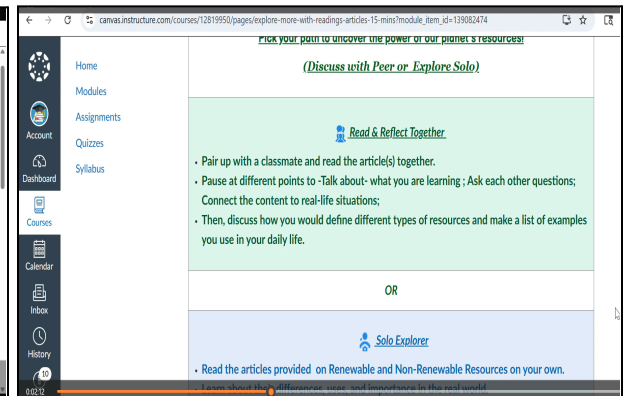
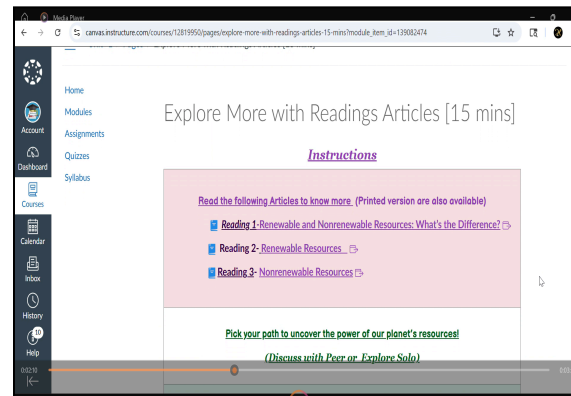
Purpose: Build understanding & collaboration

On Screen Content:

- Instructions for activity
- Reading article links

User Interaction:

- Clickable links and Individual or/ and peer group activity



Screen 1. 4: Collaborative Activity (Google slides)

Purpose: Apply learning

Content:

- Google Slides activity
- Sort resources into categories by choosing option from given text

Interaction:

- Group work
- Peer discussion

Canvas Tools:

- External tool -Google Slides link

The image displays three screenshots of a Google Slides presentation, illustrating a collaborative activity. The first screenshot shows a slide titled "Solar Energy" with a question: "Is this a Renewable or Non-Renewable Resource?". The second screenshot shows a slide titled "Uranium" with a question: "This a Renewable Natural Resource." and two options: "True" and "Flase". The third screenshot shows the same "Uranium" slide with the correct answer revealed: "Correct Answer - False" and an explanation: "This is not a Renewable Natural Resource because Uranium Used in nuclear plants, finite amount in Earth's".

Slide 1: Solar Energy

Is this a Renewable or Non-Renewable Resource?

Slide 2: Uranium

This a Renewable Natural Resource.

- True
- Flase

Slide 3: Uranium (Correct Answer)

Correct Answer - False

This is not a Renewable Natural Resource because Uranium Used in nuclear plants, finite amount in Earth's

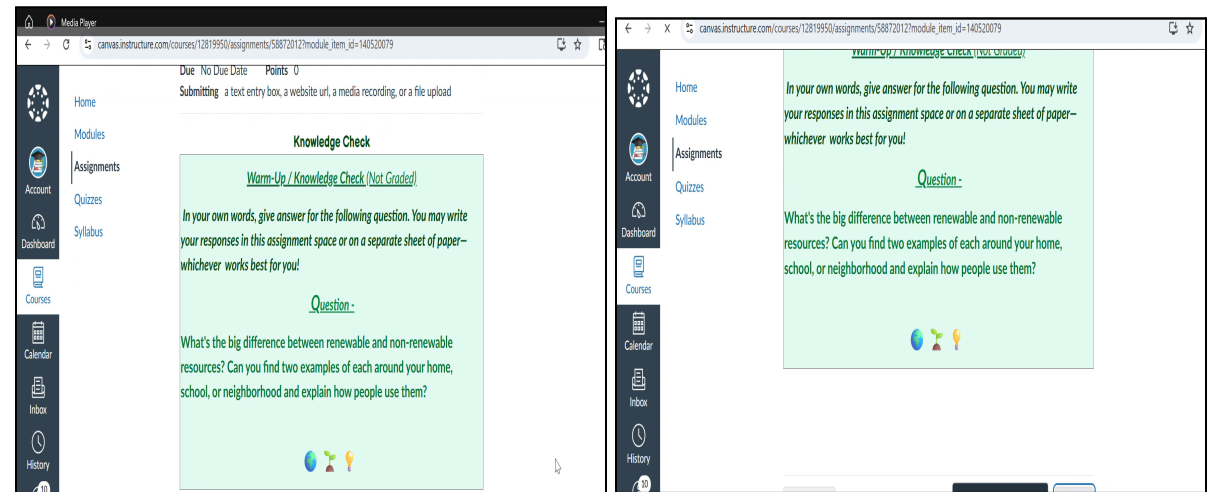
Module 2 -(Day 2 – Practice & Preparation)

Screen 1.1: Warm-Up2

Purpose: Reinforce knowledge

On Screen Content: Question: to check knowledge about previous day lesson

Interaction: Canvas Assignment
(text/audio/video submission)

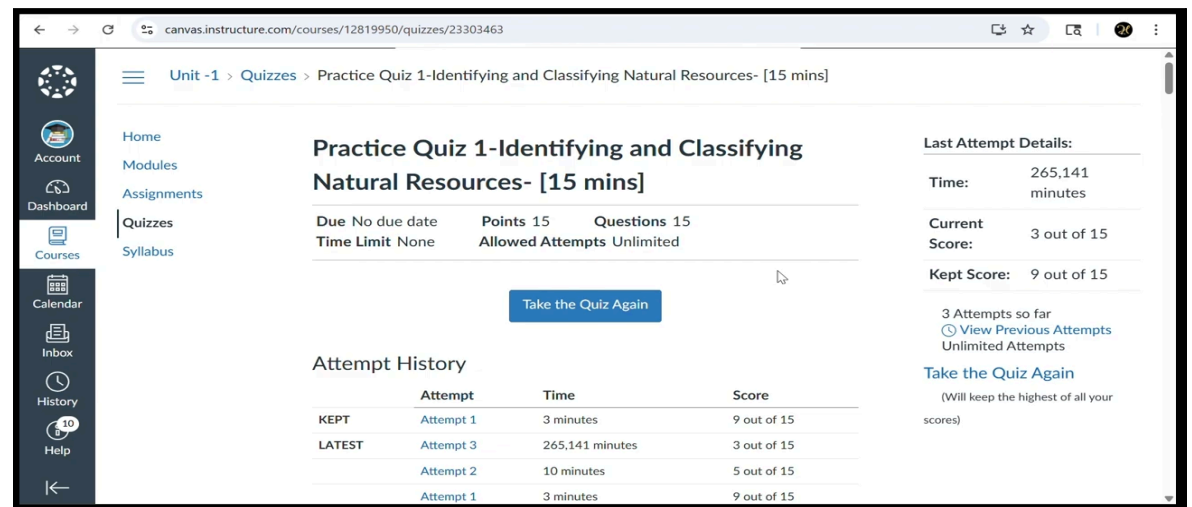
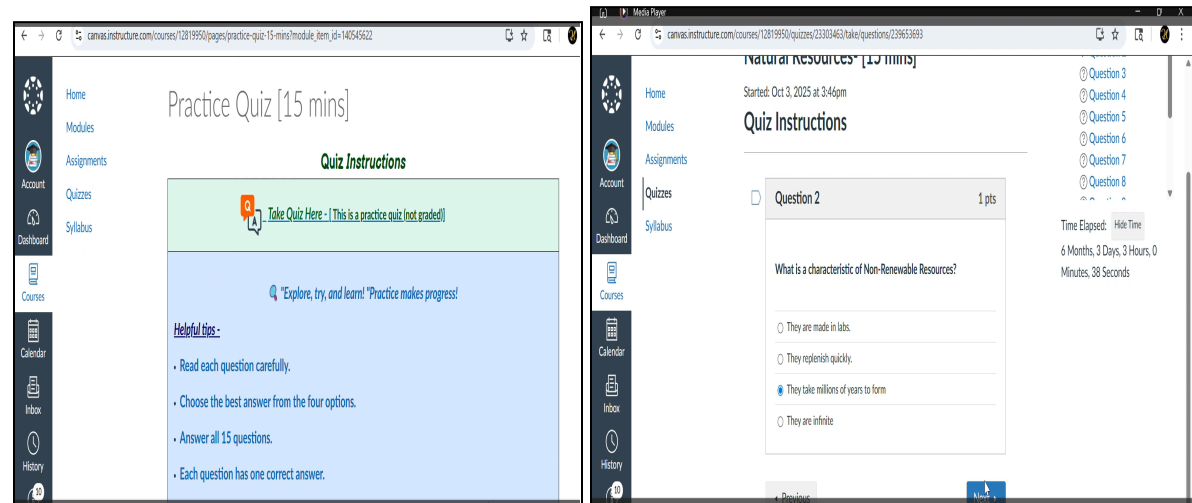


Screen 1.2 : Practice Quiz(Canvas quiz MCQ)

Purpose: Formative assessment with in the Canvas

Content: Questions with multiple choice options

Interaction: Multiple attempts allowed
, Immediate feedback



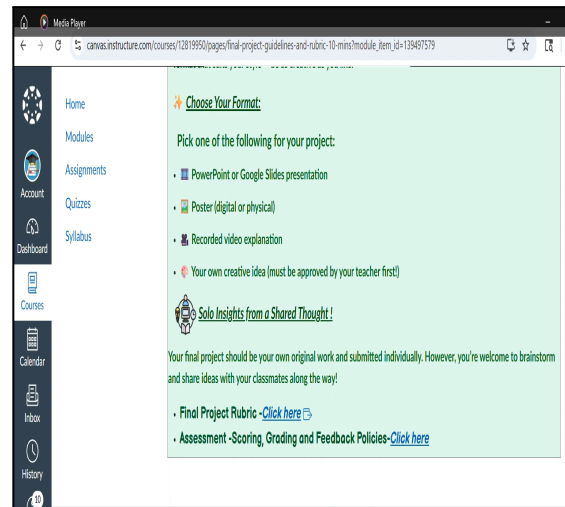
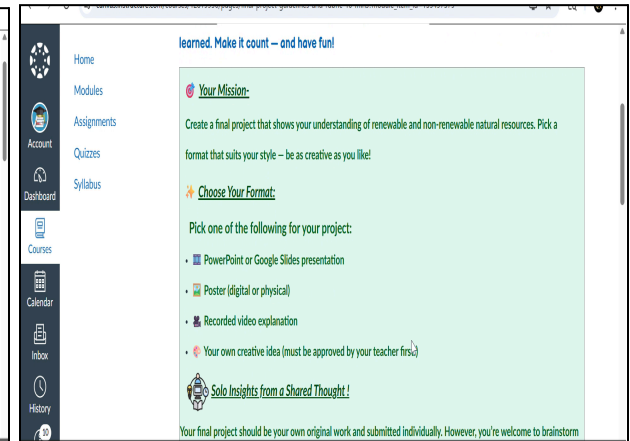
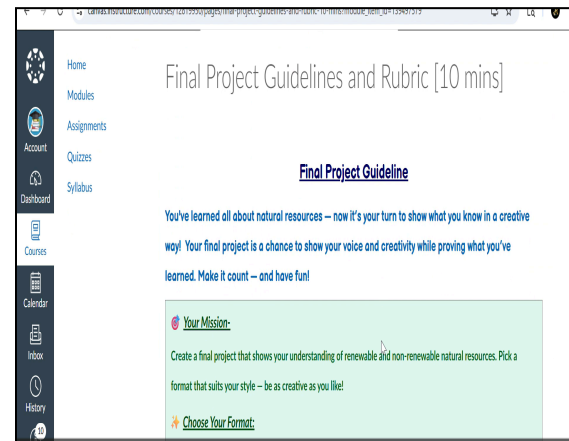
Screen 1. 3: Final Project Guidelines Discussion

Purpose: Clarifying the expectations of final Project Guide lines

Content:

- Details Description of project guidelines and links for practice and student support and assessment policy
- Rubric explanation

Interaction: Students choose format, Access to different Supporting links

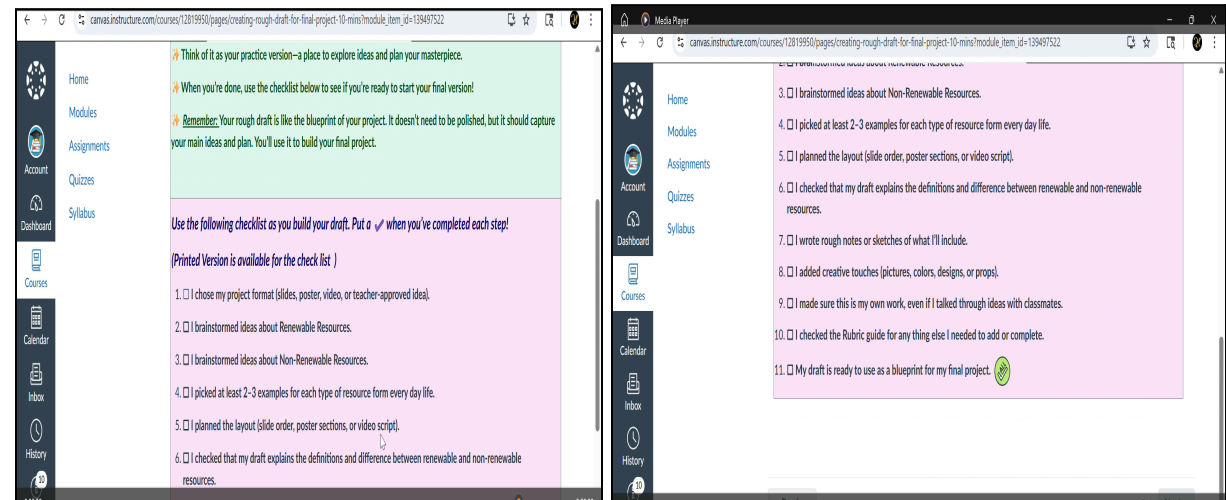


Rubric Guideline For Final Project				
Renewable vs. Non-Renewable Resources				
Criteria & Points	Excellent	Proficient	Developing	Needs Improvement
	★★★★	★★★	★★	
	4 pts	3 pts	2 ts	1 pt
Definitions	Clearly and accurately defines Natural Resources, Renewable and Non Renewable Resources	Mostly Accurate definitions	Some definitions are missing or unclear.	Definitions are incomplete or incorrect.
Examples (2+ each type)	Provides at least 2 accurate, well-chosen examples of each-renewable and non-renewable resources (images or	Provides at least 1 accurate example of each type; missing some details	Provides limited or unclear examples; may only include one type	No clear or relevant examples provided.

Screen 1. 4: Preparing Rough Draft and check list

Purpose: Scaffold learning, Explanation of what are expectations for final submission, take time and practice for better results in final

Interaction: Practice , creating rough draft with collaboration



The image displays two side-by-side screenshots of a Canvas LMS interface. The left screenshot shows a page titled 'Think of it as your practice version—a place to explore ideas and plan your masterpiece.' It includes instructions on when to use the checklist and a reminder that the rough draft is a blueprint. Below this is a checklist titled 'Use the following checklist as you build your draft. Put a ✓ when you've completed each step!' with a note that a printed version is available. The checklist items are:

- ☐ I chose my project format (slides, poster, video, or teacher-approved idea).
- ☐ I brainstormed ideas about Renewable Resources.
- ☐ I brainstormed ideas about Non-Renewable Resources.
- ☐ I picked at least 2-3 examples for each type of resource from every day life.
- ☐ I planned the layout (slide order, poster sections, or video script).
- ☐ I checked that my draft explains the definitions and difference between renewable and non-renewable resources.

The right screenshot shows the same checklist, but with the 11th item, 'My draft is ready to use as a blueprint for my final project.', which has a green checkmark icon next to it.

Module 3 –(Day 3 – Application)

Screen 1.1: Warm-Up3- Reflection

Purpose: Knowledge check from previous lesson

On Screen Content: Question: to check knowledge about previous day lesson

Interaction: Canvas Assignment (text/audio/video submission)

The left screenshot shows a Canvas LMS interface for a 'Warm up 1 - [5 mins]' assignment. The page includes a 'Start Assignment' button and a 'Knowledge check' section. The right screenshot shows the 'Knowledge check' question: 'What do you understand by each of the following terms. You can write your answers in words and /or can give examples of each.' with a list of terms: 1. Natural Resources, 2. Renewable Natural Resources, 3. Non-Renewable Natural Resources.

Screen 1. 2: Final Project Work Time

Purpose: Show Mastery of concept

Content: Independent work and guidelines

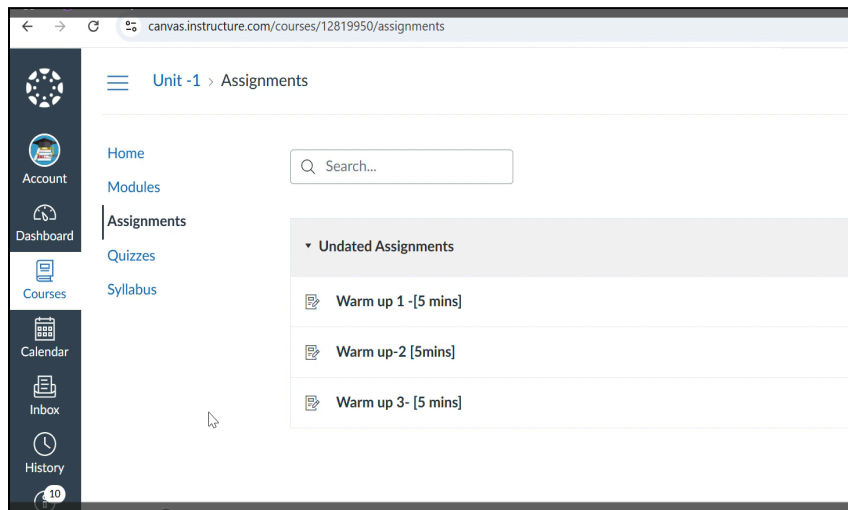
Support Provided:

- Rubric
- Readings
- Checklist

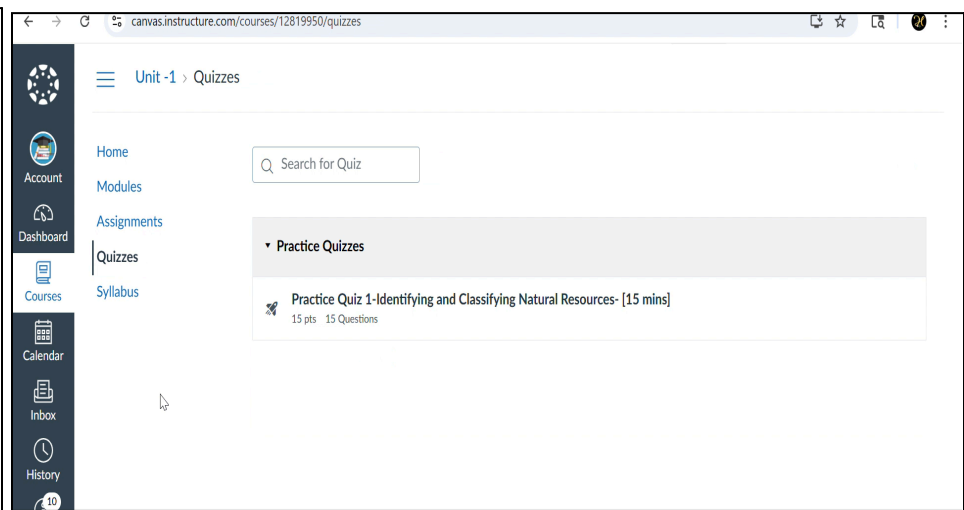
Interaction: Submission via Canvas or to the teacher

The left screenshot shows a Canvas LMS interface for a 'Project Work Time: Finalize and Submit Your Natural Resources Project [35 mins]' page. The page includes a 'It is Work time !!' graphic. The right screenshot shows a 'Review' section with a list of tasks: 1. Watch video again, 2. Revisit the articles, 3. Review Revision Activity, 4. Review the Project Guidelines, 5. Check the Rubric, 6. Review Assessment - Scoring, Grading and Feedback Policies.

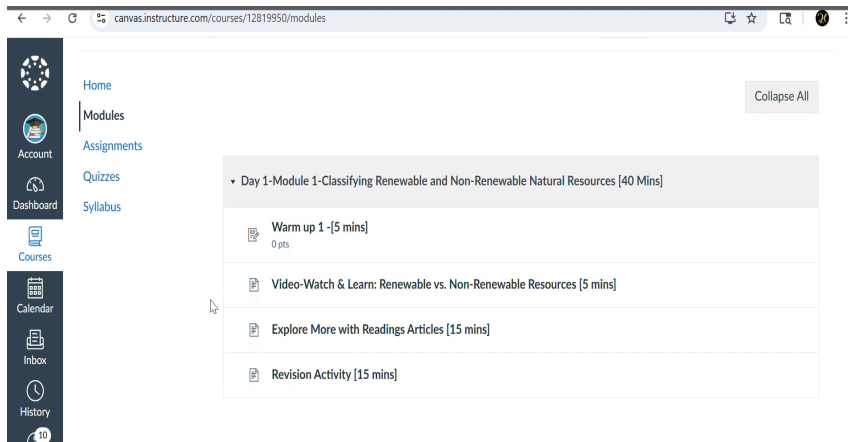
All Modules



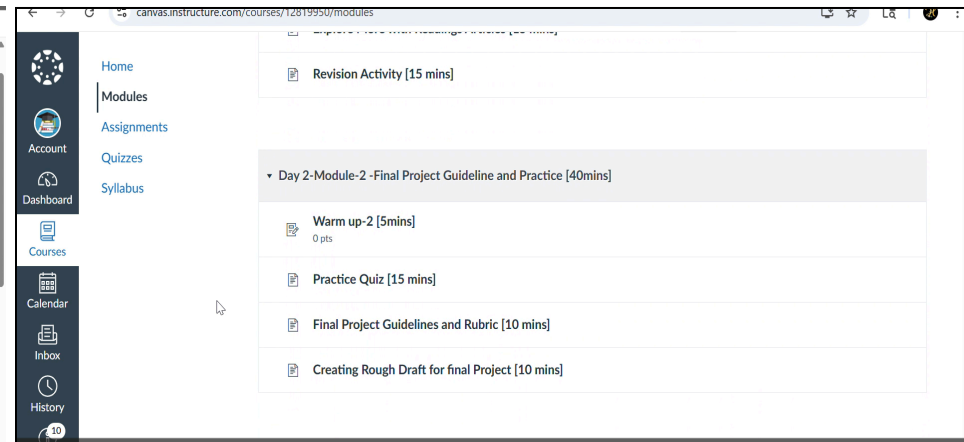
Canvas LMS interface showing the Assignments page for Unit -1. The left sidebar contains navigation links: Home, Modules, Assignments (selected), Quizzes, Syllabus, Courses, Calendar, Inbox, and History. The main content area has a search bar and a section titled "Undated Assignments" containing three items: "Warm up 1 -[5 mins]", "Warm up-2 [5mins]", and "Warm up 3- [5 mins]".



Canvas LMS interface showing the Quizzes page for Unit -1. The left sidebar contains navigation links: Home, Modules, Assignments, Quizzes (selected), Syllabus, Courses, Calendar, Inbox, and History. The main content area has a search bar and a section titled "Practice Quizzes" containing one item: "Practice Quiz 1-Identifying and Classifying Natural Resources- [15 mins]" with 15 pts and 15 Questions.



Canvas LMS interface showing the Modules page for Day 1-Module 1-Classifying Renewable and Non-Renewable Natural Resources [40 Mins]. The left sidebar contains navigation links: Home, Modules (selected), Assignments, Quizzes, Syllabus, Courses, Calendar, Inbox, and History. The main content area has a "Collapse All" button and a list of activities: "Warm up 1 -[5 mins]" (0 pts), "Video-Watch & Learn: Renewable vs. Non-Renewable Resources [5 mins]", "Explore More with Readings Articles [15 mins]", and "Revision Activity [15 mins]".



Canvas LMS interface showing the Modules page for Day 2-Module 2-Final Project Guideline and Practice [40mins]. The left sidebar contains navigation links: Home, Modules (selected), Assignments, Quizzes, Syllabus, Courses, Calendar, Inbox, and History. The main content area has a list of activities: "Revision Activity [15 mins]", "Warm up-2 [5mins]" (0 pts), "Practice Quiz [15 mins]", "Final Project Guidelines and Rubric [10 mins]", and "Creating Rough Draft for final Project [10 mins]".

The screenshot displays the Blackboard LMS interface. On the left is a dark navigation sidebar with icons and labels for Home, Account, Dashboard, Courses, Calendar, Inbox, History, Commons, and Help. To the right of the sidebar is a light-colored menu with links for Home, Modules, Assignments, Quizzes, Syllabus, Pages, People, Grades, Rubrics, Announcements, Files, Discussions, Outcomes, Collaborations, and BigBlueButton. The main content area shows a list of activities for two days. Day 2, titled 'Day 2-Module-2 -Final Project Guideline and Practice [40mins]', includes 'Warm up-2 [5mins]' (0 pts), 'Practice Quiz [15 mins]', 'Final Project Guidelines and Rubric [10 mins]', and 'Creating Rough Draft for final Project [10 mins]'. Day 3, titled 'Day 3- Module 3- Final Project work day (Summative assessment) [40 mins]', includes 'Warm up 3- [5 mins]' (0 pts) and 'Project Work Time: Finalize and Submit Your Natural Resources Project [35 mins]'. Each activity row features a document icon, a title with duration, a status indicator (green checkmark), a plus sign, and a three-dot menu icon.

Day	Activity	Duration	Points	Status
Day 2-Module-2 -Final Project Guideline and Practice [40mins]	Warm up-2	5mins	0 pts	Completed
	Practice Quiz	15 mins		Completed
	Final Project Guidelines and Rubric	10 mins		Completed
	Creating Rough Draft for final Project	10 mins		Completed
Day 3- Module 3- Final Project work day (Summative assessment) [40 mins]	Warm up 3-	5 mins	0 pts	Completed
	Project Work Time: Finalize and Submit Your Natural Resources Project	35 mins		Completed

[Pages -Syllabus, Assessment policies, Quiz ,User](#)

Files

Switch to Old Files Page All My Files + Folder Upload

Search files

 Search

Enter at least 2 characters to search

Renewable and Non-Renewable Natural Resources 0 selected Download Delete More

Name	Created	Last Modified	Modified By	Size	Status	Actions
course_image	Sep 15, 2025	Sep 15, 2025	--		✔	⋮
Uploaded Media	Sep 14, 2025	Sep 14, 2025	--		✖	⋮

2.9 MB of 500 MB used < 1-2 of 2 >

Pages

Page title Creation date Last edit

☐ Assessment - Scoring, Grading and Feedback Policies	Oct 4, 2025	Oct 4, 2025 By Harshda S	✔ ⋮
☐ Acknowledgment and References used in this course	Oct 1, 2025	Oct 4, 2025 By Harshda S	✔ ⋮
☐ Creating Rough Draft for final Project [10 mins]	Sep 20, 2025	Oct 7, 2025 By Harshda S	✔ ⋮
☐ Explore More with Readings Articles [15 mins]	Sep 14, 2025	Oct 5, 2025 By Harshda S	✔ ⋮
☐ Final Project Guidelines and Rubric [10 mins]	Sep 20, 2025	Oct 7, 2025 By Harshda S	✔ ⋮
☐ Practice Quiz [15 mins]	Oct 3, 2025	Oct 4, 2025 By Harshda S	✔ ⋮
☐ Project Work Time: Finalize and Submit Your Natural Resources Project [35 m...]	Sep 18, 2025	Oct 9, 2025 By Harshda S	✔ ⋮
☐ Revision Activity [15 mins]	Sep 26, 2025	Oct 5, 2025 By Harshda S	✔ ⋮
☐ Student support and Privacy Policy Information	Oct 3, 2025	Oct 4, 2025 By Harshda S	✔ ⋮