

# “AI-Empowered Green Skills Education”

## Course Syllabus



### Objective

This self paced massive open online course aims to introduce educators to green skills and how to integrate them into their courses. The course also focuses on potential uses of artificial intelligence (AI) in integrating green skills. Participants will explore how to create open educational resources (OER) with their students using AI tools, all centered around the theme of green skills. The course consists of four module and can be enrolled via the following link: [canvas.instructure.com/enroll/THYRN8](https://canvas.instructure.com/enroll/THYRN8)



### “Green Skills Ambassador” Certificate

To successfully complete the course and receive the Green Skills Ambassador certificate, you must complete all course activities and achieve a minimum score of 60% on the end-of-course test.



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# Getting Started

Welcome to the Course

Introduce Yourself

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## Module 1 Introduction to Green Skills

### Objectives

- Define green skills and explain their global relevance.
- Identify key classifications and examples of green skills.
- Recognize the importance of integrating green skills into school curricula.
- Reflect on how to connect green skills to teaching practices.

### Content: Asynchronous Videos

- 1.1. Introduction to Module 1
- 1.2. What are green skills?
- 1.3. Classification of green skills
- 1.4. Why integrate green skills at High School level?
- 1.5. Green skills in your subject area
- 1.6. Wrapping Up Module 1

### Activity

Exit Ticket 1: Reflections on Module 1

# Module 2 Introduction to Artificial Intelligence

## Objectives

- Understand the basic concepts of artificial intelligence
- Recognize how AI is used in everyday life and education
- Learn how to use AI consciously and effectively in education

## Content: Asynchronous Videos

- 2.1. Introduction to Module 2
- 2.2. Artificial Intelligence and Its Types
- 2.3. How does Artificial Intelligence work?
- 2.4. AI in Everyday Life
- 2.5. Using AI Responsibly
- 2.6. Wrapping Up Module 2

## Activity

Exit Ticket 2: Reflections on Module 2

# Module 3 Creating Open Educational Resources With AI

## Objectives

- Understand what Open Educational Resources (OER) are
- Recognize the value of combining AI with OER creation
- Identify and evaluate AI tools for creating OER
- Design your own Open Educational Resource using AI

## Content: Asynchronous Videos

- 3.1. Introduction to Module 3
- 3.2. Open Educational Resources
- 3.3. Creating Educational Materials with AI
- 3.4. Smart Prompts, Better Content
- 3.5. Wrapping Up Module 3

## Activity

Exit Ticket 3: Create an OER with AI

# Module 4 Supercharge Your Classroom with Green Skills

## Objectives

- Understand how to teach green skills through project-based learning (PBL)
- Explore real-life examples of student-led sustainability projects supported by AI tools
- Design your own classroom use case integrating green skills and AI
- Shift from content delivery to creative learning design

## Content: Asynchronous Videos

- 4.1. Introduction to Module 4
- 4.2. Teaching Green Skills with Project Based Learning and AI
- 4.3. Green Skills and AI: Project Ideas for Your Classroom
- 4.4. Designing Your Own Green Skills Project
- 4.5. Wrapping Up Module 4

## Activities

Explore: Sample Green Skills+AI Projects

Discussion: Which Project Inspired You Most and Why?

Assignment: Design Your Own Green Skills Projects

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## The Finish Line

End-of-course Test

Course Feedback Form