# Kansas Open Up Learning: AI and Open Access

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# Open Educational Resources and Artificial Intelligence: Scholarship & Teaching

# Open Access Course Design

→ **Forward Design**

Open Textbook with Teacher's Handbook

→ **Central Design**

Exercises & Problem-Based Learning

Research Method or Tabletop Disaster

→ **Backwards Design**

Learning Objectives First

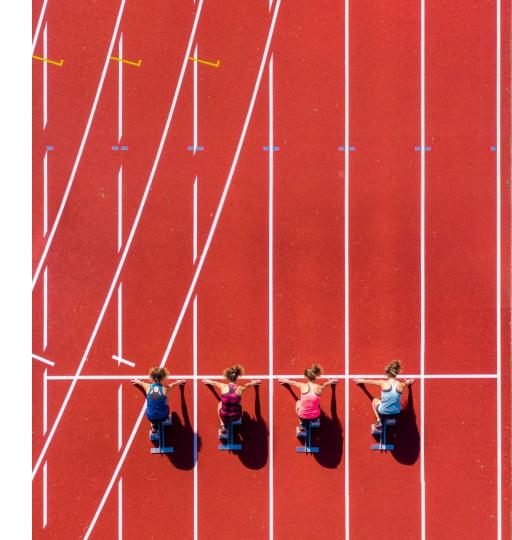Hierarchy of Learning Objectives
Describe, Define, Apply

Ecosystem of Learning Objectives

# Getting Started

- Generative and Extractive AI cf. Algorithms

- Pilgrims or Explorers

- Pilot and Co-Pilot

- Cyborg and Network
  - Medium = Metamorphosis

- Angels & Archangels

- Roleplayer
  - Sounding Board
  - Brainstorming Course Design
  - Suggesting Learning Objectives

→ Guardrails & Pseudonyms

→ Brainstorming

→ Digital Helper

→ Not Agentic

# Sydney Syllabus Bot

https://poe.com/Sydney-Syllabus101

Prompt & Bibliography

https://tinyurl.com/5xs6tdch

## Sydney-Syllabus101

By 🌈 @vincentbakker

1 follower · 310+ points

History    Rates

This bot helps you create a syllabus with customized learning objectives.

Uses GPT-4o, a model that is powered by OpenAI. Learn more

Today

**Sydney-Syllabus101**  Poe

Hello! I am Sydney and I would love to help you design a syllabus with learning objectives for a new course preparation.

3:29 AM

# Adding OER to a course

## Locate OER

→

## Evaluate OER

→

## Contextualize OER

**Extractive AI**

Mason OER Metafinder - MOM

Directories - DOAJ & DOAB

Hybrid OER Journals

Search Engine

Google cf. Google Scholar

Forward Chaining

**Gen AI Assistant**

Summarize & Relevance

Machine Readable Focus

Dataset Creation
          NotebookLM
          Context Window

Model Context Protocol

cf. Copyrighted Focus
Materials

**Special Sauce**

Personal Insights

Brainstorming with Sydney

Learning Objectives

Rubrics

Exercises

Question Banks

Multiple Choice

# Fodder

- Creative Commons

- Copyright Surrendered & Non-Compliance

- Expired Copyright

- Unpublished Materials

- US Government Information

  - NASA cf. European Space Agency

- AI Created Materials
  - Prose
  - Images

- Holodeck or Machinima
  - Simulated Games
  - Virtual Environments

**PUBLIC DOMAIN ENLARGEMENT**

# Simulated Simulation

AI as guinea pig

Sandboxes & Toy Examples

Problem-Based Learning
      Tabletop Disasters
      Social Objectives

Roleplaying Clients
      Client Counseling
      Issue Spotting

Roleplaying Students

Peer Review Exercises

Group Work Exercises

# AI Diversification

### OpenAI

ChatGPT & Custom GPTs
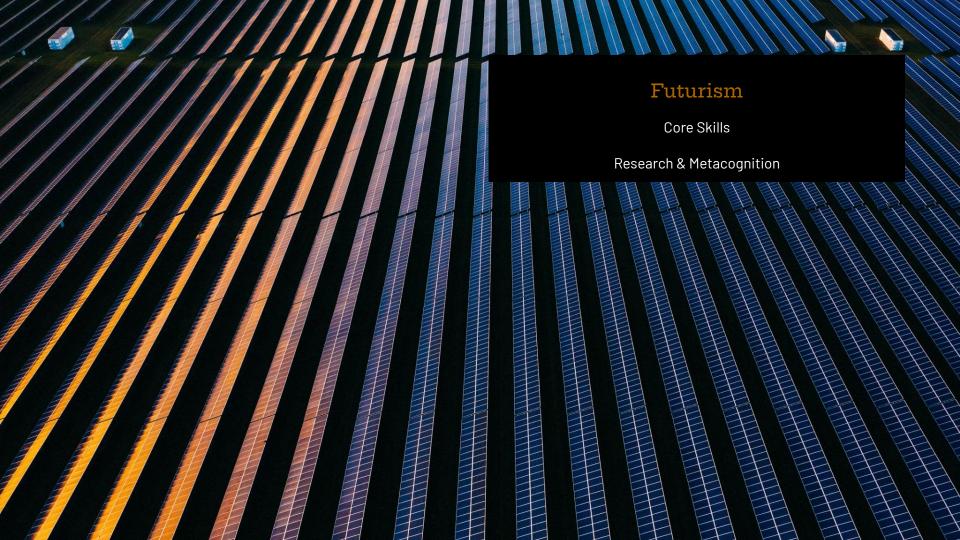
### Claude

Anthropic & Cursor

### Poe.Com

AI Aggregator

# DIGITAL TRANSFORMATION

New Roles & New Goals

Inventing the Future

# Futurism

Core Skills

Research & Metacognition

# Bots as Roleplayers

## Project Manager

Process Analysis

Sequencing Operations

Timelines and Milestones

## Textiles Engineer

Commercialization of Technology

Mass Production Potential

Legal & Regulatory Concerns

## Social Worker

Client Histories

Interventions

Wrap Around Services

# Reflective Practice

AI Process Assignment

Correct Answers vs Correct Process

Reflection on the Assignment Process

# Contact

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