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The SHUTTLE Curated OERs for Transformational Leadership



Transnational Report: Part 3

Title: The SHUTTLE Curated OERs for Transformational Leadership - Transnational Report: Part Three

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Introduction

The SHUTTLE project collected a toolbox of available Open Educational Resources (OERs) to support new skills development strategies for transformational leadership and innovative AI-assisted and digital teaching and learning to respond to the changing role of HEIs in society.

This toolbox of OERs is aligned with the dimensions of transformational leadership described in the SHUTTLE Transnational Report: Part One. The dimensions are self-leadership, collaborative leadership, business leadership, intercultural leadership and digital leadership.

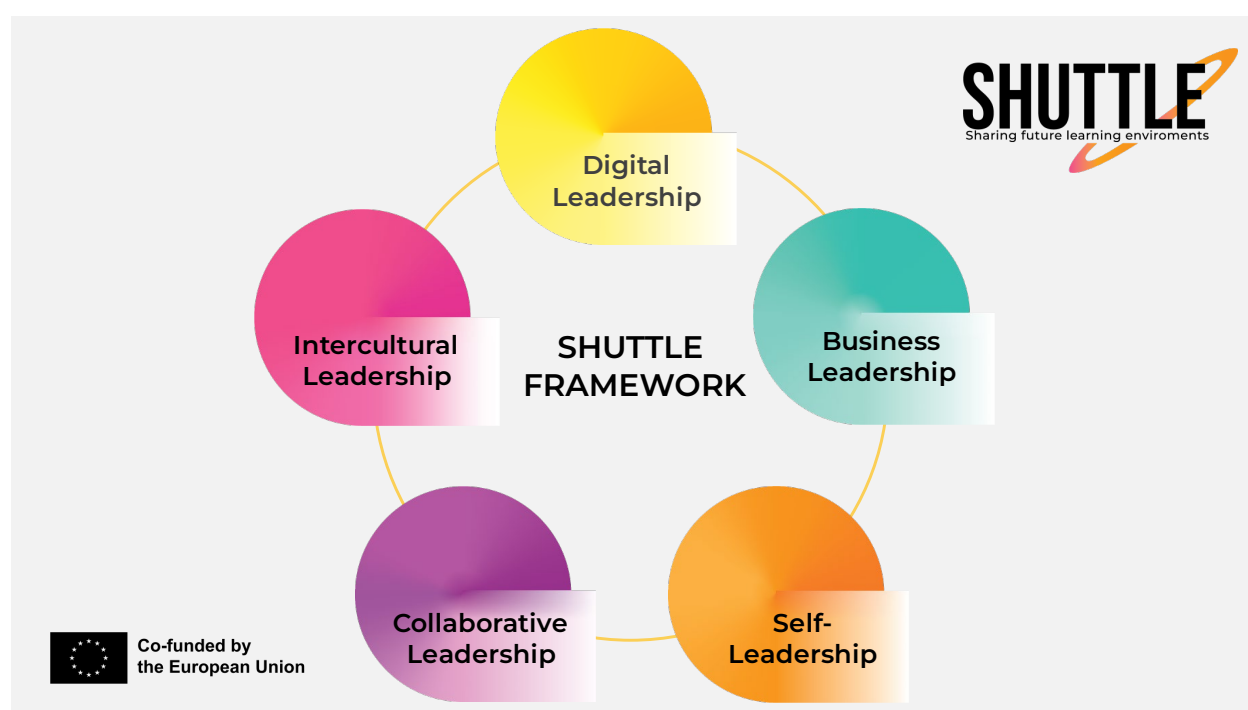


Fig. 1 SHUTTLE Multidimensional Visual Framework for Transformational Leadership

The toolbox includes open-source tools for transdisciplinary leadership, examples and cases of using AI in business and education, creative and digital examples of best pedagogical practice, applied pedagogical research, and online courses and lesson plans that are considered suitable for developing skills for Education 5.0 and for AI-assisted learning scenarios. It is not an exhaustive list, but rather as a starting point. As the use and integration of AI develops, new tools emerge constantly. These OERs are thus indicative of pedagogical possibilities. Building on these examples, new OERs will be created and published in the SHUTTLE modules of transformational leadership.

The OERs in this document are presented under the following sections:

- **Courses for trainers and teachers**
- **Platforms and tools**
- **Other open materials**

Under each section, each OER is described as follows:

- **Title:** The name of the resource
- **URL:** A direct link to access the resource
- **SHUTTLE dimension:** Relevant dimensions: self-leadership, collaborative leadership, business leadership, intercultural leadership, digital leadership
- **Description:** A summary of the content and purpose.
- **Relevance for HE:** An explanation of why the resource is particularly useful for Higher Education, including its applicability to teaching and learning in diverse settings.
- **Rating (when relevant):** Each OER is rated based on its potential to integrate Education 5.0 principles. The top three ratings for each OER are displayed to provide a clear and concise overview of its potential impact and relevance. These ratings highlight how well the OER correspond to the following:
 - inspires to change (new ways of thinking, seeing, behaving) and new ways of learning
 - encourages to communicate and participate
 - promotes active listening skills
 - is intellectually stimulating
 - foregrounds adaptability
 - enhances authenticity and genuineness
 - promotes creativity and co-creation
 - promotes emotional intelligence
 - promotes open-mindedness towards others and gives them consideration
 - addresses diverse learner paths
 - fosters digital collaboration
 - enhances skills development in learners
 - promotes pedagogical uses that are ethical, human, responsible and safe
 - enhances proactive problem solving and critical thinking
 - addresses communication and connectivity online
 - enhances taking responsibility
 - enhances risk taking
 - enhances well-being in the context of technological use
 - addresses issues of privacy and security in the digital context.



Section One: Courses

1. The Ethics of AI: https://ethics-of-ai.mooc.fi/		
SHUTTLE dimension	Description	Relevance for HE
Intercultural leadership Business leadership	The Ethics of AI is a free online course created by the University of Helsinki. The course is for anyone who is interested in the ethical aspects of AI, encouraging people to learn what AI ethics means, how to develop AI in an ethically sustainable way, and how to approach AI from an ethical point of view.	A very good series of lessons on the ethical use of AI, highlighting some of the implications of AI usage. The course is relevant for future HE learning, as being well familiar with the ethics of using and developing AI is a prerequisite for the sustainable use of AI for innovation, transformation, and change. Ch 5, section III, on human rights in terms of privacy, security, and inclusion provides important basic information on privacy, GDPR, safety, and inclusion in digital environments. The Ethics of AI course modules can also be recommended as further learning resources to complement other courses.
2. Generative AI for Educators and Teachers by Monsha: https://monsha.ai		
Intercultural leadership	This is a basic introductory course for anyone interested in the essentials of AI usage.	This course is suitable to teachers who are about to start experimenting with AI or to teachers of prep-courses.

<p>3. Elements of AI: https://www.elementsofai.com/</p> <p>See especially the Course 1, section 6.1 about Predicting the future: https://course.elementsofai.com/6/1</p> <p>and Course 1, section 6.2 about the societal implications of AI: https://course.elementsofai.com/6/2</p>		
Business leadership	<p>This is a free online course provided by Helsinki University, suitable for both higher education and lifelong learning. The goal of the course is to “demystify AI” by integrating theory and practical exercises that help learners understand what AI is and how to use it. The course has three modules: 1) Introduction to AI and how it affects our lives; 2) Building AI to learn about the actual algorithms; and 3) AI for Business to identify new business opportunities.</p>	<p>The course highlights the need to train learners not only in technology but even more so in gaining shared knowledge, understanding, and soft skills in experiential and collaborative learning environments when learning about AI and its application. The course has flexible requirement levels depending on the technical and professional expertise of participants. Parts of 6.1 and 6.2 of the first course module, as well as the third course module about organizational and business use of AI, can be meaningfully integrated into the SHUTTLE OERs, as they contain relevant content, templates, and tools that can be further applied in various university and business learning contexts.</p>
<p>4. AI in Society: https://courses.mooc.fi/org/uh-cs/courses/ai-in-society</p> <p>Ch 3: https://courses.mooc.fi/org/uh-cs/courses/ai-in-society/chapter-3/how-to-study-technology-in-society</p>		
Business leadership	<p>This is a free online course provided by the University of Helsinki to explore AI technology in its societal context,</p>	<p>The course is suitable for learners “interested in understanding the societal impact of AI and how AI technology is changing our everyday life.” Learners gain</p>

	including changes in society and social practices, AI use in institutional settings, and AI technology's promises and challenges.	knowledge of ethical and social aspects of AI in social interaction, a conceptual framework and set of tools to analyze and assess the social impact of AI applications, and competences in critical and value-driven decision-making when using AI applications. The course is relevant for Education 5.0, as it approaches technological change as a phenomenon that is deeply ingrained in society and societal processes. Ch 3, section 1, can be integrated with SHUTTLE modules to highlight that “people, societies and technologies are deeply intertwined” and to justify to learners the reasons why it is important to explore AI and related societal values and goals from many different stakeholder viewpoints. The AI in Society course modules can also be recommended as further learning resources to complement other courses.
5. Artificial Intelligence for Teachers: https://www.coursera.org/learn/artificial-intelligence-education-for-teachers		
Intercultural leadership	This is a free online course, offered by Macquarie University (Sydney Australia) and administered on coursera.org, which is intended to serve as a starting point for teachers to understand the basics behind what AI is and how it works, how it can be utilized in an educational context, and some of the potential ethical concerns which currently exist regarding its development and use.	This course, based on an Australian educational context, helps users identify and use creative and critical thinking, design thinking, data fluency, and computational thinking as they relate. Regarding intercultural communication and leadership, culture is, by definition, human and therefore it is paramount that humans remain in the loop regarding AI development and implementation. To do this, users must be competent in how such technology works/is created and how to best safeguard against potential misuse or

		misapplication of AI applications as well as how to adapt AI technology in curricula.
6. Cross-Cultural Communication and Management: https://www.coursera.org/learn/cross-cultural-communication-management		
Intercultural leadership	A well-structured online course providing a basic insight into intercultural issues. Solid structure for an online course. Provides videos, readings and a test in each module.	As an inspiration, it provides intercultural basics, can be recommended to both students and teachers or staff members that are not familiar with intercultural issues. This is an online, free, four-modular course structured into 3-5 min tasks. It is a good example of how to learn and practice intercultural team basics in a well-structured online way. Includes short videos, readings and discussion prompts, and a quiz at the end of each module. It may be attractive for online learning lovers and seen as progressive for people used to more traditional in-class oriented and teacher-centred educational systems.
<p>7. Radical Creativity: https://divingintoradicalcreativity.aalto.fi/</p> <p>Ch 4.5: https://divingintoradicalcreativity.aalto.fi/sub-chapter/leading-for-creativity/</p> <p>Ch 5.4: https://divingintoradicalcreativity.aalto.fi/sub-chapter/changing-the-world-for-better/</p> <p>Ch 1.5: https://divingintoradicalcreativity.aalto.fi/sub-chapter/1-5-value-and-relevance-of-radical-creativity/</p>		
Business leadership	This is a free online course provided by Aalto University, aimed at driving innovation and transformation through radical creativity, which is seen as a key competence in the context of future learning, teaching, and work “in a world	The course takes a holistic approach to future learning and incorporates key competences contributing to transformation, innovation, and change. Chapter 4.5 Leading for Creativity, especially, can be meaningfully integrated into SHUTTLE modules, as it provides a theoretical overview, case studies, and reflection

	<p>full of complex challenges and uncertainty”. After taking the course, learners will know 1) what radical creativity means; 2) how to apply radical creativity to individual, organizational, and leadership contexts; and 3) how to create transformation and change in business, the arts, and technology.</p>	<p>assignments related to transformational leadership principles and attributes in the fields of self-leadership, collaborative leadership, business leadership, and digital leadership. The approach to radical creativity and leadership is multidisciplinary and meant to engage “social change-makers” from different fields and backgrounds. Another Chapter well-suited for integration with the SHUTTLE modules is 5.4 Changing the World for Better, which delves into the topic of “various future scenarios while learning foresight methodologies and how creative practices support transformative futures.” Ch 1.5 Value of radical creativity is also relevant, as it helps learners understand why future-oriented learning and mindset bring added value to individuals, organizations, society, and the planet by supporting businesses and societies to adapt to new realities by envisioning future scenarios and creating solutions that are game-changers in catering to the evolving needs of people and the planet. The Radical creativity course modules can also be recommended as further learning resources.</p>
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Section Two: Platforms and Tools

1.

Title	Replika
URL	https://replika.com/
Description	Replica is a chatbot and virtual friend that uses artificial intelligence to interact with users
Relevance	As Replika can be customized, it can be used to role-play business conversations in different intercultural environments.

Features	Encourages to communicate and participate. Promotes active listening skills. Enhances skills development in learners.
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2.

Title	PandaDoc
URL	https://www.pandadoc.com/
Description	PandaDoc is a platform designed to streamline the document creation (proposals, contracts, quotes), and provides analytics on how recipients interact with documents.
Relevance	PandaDoc is suitable for Business/Management/Legal Courses, development of collaboration skills.
Features	Fosters digital collaboration. Addresses communication and connectivity online. Addresses issues of privacy and security in the digital context.

3.

Title	Drift
URL	https://www.salesloft.com/welcome-drift
Description	Drift is a conversational marketing platform facilitating communication between businesses and customers. It uses chatbots, live chat, and email automation to help sales teams engage with leads, qualify prospects, and close deals faster.
Relevance	Sales and Marketing Courses, Digital Communication Skills, Customer Service
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Foregrounds adaptability. Fosters digital collaboration.

4.

Title	AI Dungeon
URL	https://aidungeon.com/
Description	AI Dungeon is an interactive storytelling platform that uses artificial intelligence to generate narratives in real time, allowing players to experience personalized adventures in fictional worlds. The AI is fed with context and decisions made by the user, creating a unique experience with each interaction.
Relevance	By fostering creative problem-solving, enhancing critical thinking, and promoting interactive storytelling. It can be particularly useful in literature, history, and language learning by allowing

	students to explore scenarios, develop narratives, and practice decision-making in an immersive, engaging environment.
Features	Is intellectually stimulating. Addresses diverse learner paths. Enhances proactive problem solving and critical thinking.

5.

Title	Brisk Teaching
URL	https://www.briskteaching.com/
Description	Brisk Teaching is an innovative educational tool that leverages artificial intelligence (AI) to enhance teaching and learning experience. With the help of AI, the platform personalises content based on each student's individual needs, providing an adaptive and interactive approach. The tool analyzes student performance in real-time, adjusting exercises, offering detailed explanations, and identifying areas that need more attention.
Relevance	For fostering critical thinking and skill development. By delivering concise, focused content, it enhances student engagement, encourages active learning, and promotes deeper understanding, especially in subjects like data analysis or problem-solving.
Features	Foregrounds adaptability. Addresses diverse learner paths. Enhances skills development in learners.

6.

Title	Cognii
URL	https://www.cognii.com/
Description	The Cognii tool is an intelligent educational platform that uses artificial intelligence to provide personalized and interactive learning. Its main feature is the technology of natural language processing, which allows it to assess, understand, and provide real-time feedback on students' responses. AI is applied to analyse essay-type answers, helping to identify key concepts and offering suggestions for improving student performance.
Relevance	It is highly suitable for higher education as it enhances personalised learning, especially in subjects requiring critical thinking and writing skills. Its AI-driven assessments provide instant feedback, helping students develop strong analytical abilities and improve their communication in fields like literature, philosophy, and social sciences.
Features	Encourages to communicate and participate. Is intellectually stimulating. Addresses diverse learner paths.

7.

Title	Diffit
URL	https://web.diffit.me/
Description	Diffit is an innovative AI-powered tool designed to quickly and accurately create customized educational materials. Leveraging advanced natural language processing algorithms, Diffit enables teachers and educators to generate resources such as lesson plans, exercises, and assessments tailored to various skill levels and learning styles. Its intuitive interface simplifies interaction with the AI, while its automation capabilities significantly reduce the time required to prepare content.
Relevance	By generating tailored materials for advanced topics like research methods, data analysis, or critical thinking. Its AI adapts resources to diverse skill levels, enabling efficient preparation of case studies, problem-solving exercises, and assessment, enhancing engagement and mastery of complex subjects.
Features	Enhances skills development in learners. Promotes pedagogical uses that are ethical, human, responsible and safe. Enhances proactive problem solving and critical thinking.

8.

Title	Eduaide AI
URL	https://www.eduaide.ai/
Description	Eduaide AI is an educational platform that uses artificial intelligence to personalize and optimize students' learning processes. The tool offers a range of interactive features, such as personalized tutoring, real-time performance analysis, and adaptive content generation, all powered by AI. Through artificial intelligence, Eduaide AI is able to identify each student's areas of difficulty, adjusting the learning material and exercises according to individual needs
Relevance	Offering personalized learning experiences, enhancing subject mastery, and supporting skill development through interactive content. It aids in critical thinking, research, and subject-specific understanding, promoting efficient study methods and providing real-time feedback, especially in fields like data science and engineering.
Features	Foregrounds adaptability. Addresses diverse learner paths. Enhances skills development in learners.

9.

Title	Khanmigo AI
URL	https://www.khanmigo.ai/
Description	Khanmigo AI is an innovative educational tool developed integrated with the Khan Academy platform, Khanmigo acts as a virtual tutor, adapting to the student's needs and offering real-time assistance. Through AI, the tool is capable of understanding the student's progress, identifying difficulties, and suggesting explanations, activities, and additional exercises in a tailored manner. Enables more dynamic and collaborative interactions, making the learning process more engaging and effective. AI also helps create a more flexible learning environment by responding naturally and contextually to students' questions.
Relevance	It offers personalized tutoring, enhances critical thinking, and assists in complex subjects like mathematics, science, and writing. It helps students by providing interactive learning experiences, real-time feedback, and tailored study support for deeper comprehension and skill development.
Features	Foregrounds adaptability. Promotes open-mindedness towards others and gives them consideration. Addresses diverse learner paths.

10.

Title	Magic School
URL	https://app.magicschool.ai/
Description	Magic School is a collection of tools for teachers and students across all disciplinary areas of schooling, which allows customisation by teachers. It is very comprehensive and covers all areas of teacher work, including communication with parents. The greatest feature is customisation of tools that teachers can use for their own contexts, such as generating useful vocabulary in another language. From lesson planning to creating rubrics and classroom materials, teachers find diverse ai-powered tools to help with their teaching.
Relevance	It can be customised for Higher Education although it also covers all other school and education levels.
Features	Foregrounds adaptability. Addresses diverse learner paths. Enhances skills development in learners.

11.

Title	Natural Readers
URL	https://www.naturalreaders.com/online/
Description	Natural Readers is an advanced text-to-speech tool that leverages artificial intelligence to transform written text into natural and fluent audio. Featuring realistic AI-generated voices, it supports multiple languages and tones, making it ideal for accessible reading, inclusive learning, and content creation. Its AI capabilities enable customization of intonation, reading speed adjustments, and integration across various devices and contexts.
Relevance	It enhances accessibility and learning efficiency, especially in language studies, research, and lecture reviews. Its AI-driven text-to-speech capabilities assist students with disabilities, improve comprehension of complex materials, and enable multitasking, such as listening to academic texts while performing other tasks.
Features	Encourages to communicate and participate. Foregrounds adaptability. Addresses diverse learner paths.

12.

Title	OpenAI Codex
URL	https://openai.com/index/openai-codex/
Description	OpenAI Codex is a tool developed by OpenAI that uses artificial intelligence to generate and understand programming code. Its main feature is the ability to understand various programming languages such as Python, JavaScript, Ruby, and others, helping developers write code more quickly and efficiently. By integrating with development environments, Codex suggests lines of code, generates complete functions, and even explains code snippets, acting as an intelligent assistant. The AI behind Codex is trained on a vast amount of code and text, allowing it to learn patterns and offer accurate solutions. This resource promotes automation and accelerates software creation.
Relevance	Especially in programming and computer science courses. It aids in coding assignments, debugging, and learning new languages. It can also help students develop critical thinking and problem-solving skills by providing coding examples, explanations, and suggesting solutions in real-time.
Features	Addresses diverse learner paths. Enhances skills development in learners. Enhances proactive problem solving and critical thinking.

13.

Title	Photomath
URL	https://photomath.com/
Description	It is an innovative educational tool that leverages artificial intelligence to help users solve mathematical problems in a practical and intuitive way. Available as a mobile application, it allows users to scan equations and mathematical expressions using their device's camera, identifying and interpreting problems through advanced optical character recognition algorithms and mathematical analysis. Photomath's AI not only provides solutions but also delivers detailed step-by-step explanations, helping students understand the underlying concepts and improve their math skills. It has the ability to handle a wide range of problems, from basic arithmetic to advanced calculus.
Relevance	It is relevant in calculus and algebra, by offering step-by-step solutions and fostering problem-solving skills. It aids in understanding complex concepts like derivatives, integrals, and matrix operations, making it an effective tool for skill development and self-study in advanced mathematics.
Features	Promotes pedagogical uses that are ethical, human, responsible and safe. Enhances well-being in the context of technological use. Addresses issues of privacy and security in the digital context.

14.

Title	Socratic by Google
URL	https://socratic.org/
Description	The Socratic platform, developed by Google, is an educational tool that uses artificial intelligence to help students solve academic questions in an interactive and accessible way. Through image recognition and natural language processing, users can take photos of questions or type them in to receive detailed explanations and visual resources such as videos, diagrams, and texts. Covering various subjects, including math, science, history, and literature, the platform enables more independent and personalized learning, adapting to each student's pace. It can also be used by educators as a complement to teaching methodologies, encouraging a more interactive and innovative educational environment.
Relevance	Helping students engage actively with the learning process. By delivering concise, focused content through text, videos, and visual aids, it enhances student engagement, encourages independent learning, and promotes a deeper understanding

Features	Encourages to communicate and participate. Foregrounds adaptability. Addresses diverse learner paths.
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15.

Title	Twee
URL	https://twee.com/ and https://app.twee.com/
Description	There is an open trial version and a paid version. The interface is very user-friendly. Teachers can select specific ai-powered tools or skills development (such as Reading, Vocabulary, Writing, Speaking, Grammar and Listening) or select tools according to their needs, for example to create text, or questions for a text or for an audio ou video, to develop vocabulary in a specific area or generate discussion questions on a topic. Texts and exercises can be simplified and upgraded so there is a potential for student customisation and individualised learning paths.
Relevance	Twee.com is very useful for English teachers (who use American English) as it is a tool for task automation that teachers can edit. Experienced teachers will be able to plan their lessons more quickly and prepare materials for students with diverse competence levels.
Features	Addresses diverse learner paths. Enhances skills development in learners. Promotes pedagogical uses that are ethical, human, responsible and safe.

16.

Title	Wolfram Alpha
URL	https://www.wolframalpha.com/
Description	Wolfram Alpha is an advanced computational tool that uses artificial intelligence to provide precise, data-driven answers to a wide range of questions and calculations. It combines a vast curated knowledge base with algorithms for symbolic and numerical processing to interpret and resolve natural language queries, from complex mathematical problems to general questions about science, history, and culture. AI plays a central role in understanding user intent, contextualizing queries, and generating detailed, personalized responses.
Relevance	Especially in mathematics and engineering. It provides step-by-step solutions, visualizations, and computational tools, fostering analytical skills and deepening understanding of complex topics like calculus, statistics, and linear algebra. Its ability to handle symbolic computation aids learning and research efficiency significantly.
Features	Foregrounds adaptability. Addresses diverse learner paths. Enhances skills development in learners.

17.

Title	NotebookLM
URL	https://notebooklm.google/
Description	NotebookLM is an innovative tool that integrates artificial intelligence to transform the way we interact with documents and textual content. Powered by advanced language models, NotebookLM enables users to explore, summarize, and understand information more efficiently by answering specific questions, generating ideas, and providing relevant contexts directly from the input texts. With this capability, the tool simplifies navigation through large volumes of data, offering precise answers and insights that enhance productivity, learning, and research
Relevance	It enhances skills like critical thinking and research. For history students, it summarizes dense texts, answers complex questions, and contextualizes historical events, streamlining analysis. Its AI-driven insights empower learners to synthesize information effectively, fostering deeper understanding and efficient academic exploration.
Features	Is intellectually stimulating. Foregrounds adaptability. Addresses diverse learner paths.

18.

Title	Classroomscreen
URL	https://classroomscreen.com/
Description	Classroomscreen is a digital tool designed to support teachers in classroom management, offering an interactive interface with useful widgets such as timers, traffic lights, a whiteboard, and group generators. It allows customizations based on the lesson context and students' needs. It provides screen configurations aligned with the teacher's objectives and/or analyzes usage behavior to offer insights that help improve the dynamics of activities.
Relevance	In collaborative learning or time-sensitive tasks like project management and presentations. Its timers, group generators, and whiteboard enhance organization, facilitate teamwork, and support interactive discussions, making it valuable for subjects like business, STEM, or skills like critical thinking and time management.
Features	Inspires to change (new ways of thinking, seeing, behaving) and new ways of learning. Encourages to communicate and participate. Promotes creativity and co-creation.

19.

Title	Copilot in Teams
URL	Copilot in Microsoft Teams help & learning
Description	<p>Copilot in Teams is an AI-powered assistant designed to enhance productivity and collaboration by summarising meetings, chats, and tasks. It helps users to stay informed by generating real-time summaries, identifying key decisions, and suggesting follow-up actions. Whether in meetings or chat conversations, Copilot quickly extracts relevant insights, making it easier to keep track of discussions without manually reviewing long threads. Copilot assists with drafting messages, suggesting responses, and retrieving relevant documents or past conversations. It integrates seamlessly with Microsoft 365 apps, ensuring users can efficiently manage tasks and access information when needed. With its AI-driven insights, Copilot reduces workload and streamlines communication, making teamwork more efficient and organised.</p>
Relevance	<p>Copilot in Teams enhances collaboration, productivity, and learning experiences for students and lecturers.</p> <p>For students, Copilot helps by summarising class discussions, group projects, and online lectures, ensuring they can easily review key points and action items. It also assists in drafting research summaries, organising study materials, and managing tasks, making academic work more efficient. Additionally, it can provide AI-driven support for answering questions, brainstorming ideas, and improving communication in collaborative projects.</p> <p>For faculty and researchers, Copilot optimises administrative tasks, such as preparing lecture materials, summarising academic meetings, and tracking research discussions. It can assist in drafting course content, generating emails, and retrieving relevant documents quickly. This allows educators to focus more on teaching rather than administrative tasks.</p>
Features	Foregrounds adaptability. Fosters digital collaboration. Promotes creativity and co-creation.

20.

Title	Obsidian
URL	https://obsidian.md/

Description	It can help foster collaboration and support collaborative leadership “by serving as a shared space for collective knowledge, decision-making, and strategic planning. Obsidian can be adapted as a lightweight project management tool by creating templates for task tracking, meeting notes, and action plans. Leaders can delegate responsibilities and track progress, fostering responsibility and collaboration. Leaders can create personal and team learning repositories within Obsidian, promoting continuous development and shared expertise.
Relevance	Obsidian’s versatility, flexibility, and features make it an excellent tool for students, educators, and researchers in higher education. It empowers users to manage information efficiently, collaborate effectively, and deepen their understanding of complex concepts. It is free for personal use, making it accessible to students and institutions without budget constraints and supports innovative teaching methods, such as Flipped Classrooms.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Is intellectually stimulating.

21.

Title	Notion
URL	https://www.notion.com/pt
Description	Notion is an all-in-one workspace platform designed to help individuals and teams organise, collaborate, and manage projects effectively. Several features are enhanced with Notion AI like content generation (generate text for notes, documents, and creative projects; quickly draft emails, blog posts, or brainstorming ideas using AI suggestions), text summarisation (summarise long pages, notes, or databases into concise highlights; great for extracting key takeaways from meeting notes or research), writing assistance (improve clarity, grammar, and tone in your writing; rephrase, expand, or simplify text for better readability), brainstorming support (generate ideas for projects, tasks, or content creation; use AI to list possible solutions, action plans, or creative concepts), task automation (automatically generate to-do lists or project outlines based on prompts; AI can structure workflows or suggest steps for complex tasks).It can be used by students to organise class notes, track assignments, and manage study schedules. It can also be used by teachers to create lesson plans, share materials with students, and manage collaborative projects.
Relevance	Notion's versatility and AI features make it an excellent tool for higher education, supporting students, educators, and administrators in achieving their goals. Its ability to centralize tasks, streamline collaboration, and enhance productivity through AI creates a modern, efficient environment for teaching, learning, and research. Notion shows the benefits of AI Integration in Higher Education,

	such as increasing efficiency, reducing repetitive tasks like summarising notes, generating outlines, or formatting reports, allowing personalised learning or enhance collaboration with real-time editing and AI-assisted brainstorming which facilitate teamwork and idea-sharing
Features	Encourages to communicate and participate. Fosters digital collaboration. Enhances skills development in learners.

22.

Title	Microsoft Loop
URL	https://www.microsoft.com/en-us/microsoft-loop
Description	<p>Microsoft Loop is a collaborative workspace to help teams organise content, manage tasks, and work seamlessly across Microsoft 365 apps. Enables dynamic teamwork by allowing users to collaborate on content blocks known as Loop Components.</p> <p>Key Features: loop components such as modular elements like tables, lists, notes, or tasks that can be shared and edited in real-time across Microsoft apps like Teams, Outlook, and Word; loop workspaces - shared workspaces where teams can centralize content, organise resources, and track project progress collaboratively; real-time collaboration with multiple users to co-edit documents, update tasks, and brainstorm ideas simultaneously; integration with Microsoft Teams that facilitates communication alongside the collaboration; integration with Microsoft 365; and attach and synchronize files directly from OneDrive.</p> <p>Generative AI features for collaboration (Copilot) like content creation, craft email drafts, meeting agendas, or project outlines, task automation, brainstorming support.</p>
Relevance	Microsoft Loop offers a platform which fosters collaboration in higher education. Its integration of AI capabilities further enhances its utility, making it an effective tool for students, educators, and administrators alike.
Features	Encourages to communicate and participate. Foregrounds adaptability. Addresses diverse learner paths.

23.

Title	Slack
URL	https://slack.com/intl/pt-pt/
Description	Slack is a team communication and collaboration platform that enables streamlined workflows and real-time interactions. It allows users to create organised channels for projects, departments, or

	topics, share files, and integrate tools like Google Workspace, Trello, or Asana. With generative AI, Slack enhances collaboration by automating routine tasks, summarising conversations, drafting responses, and suggesting next steps. Tools like Slack GPT generate content, brainstorm ideas, and provide insights within chats. It simplifies team collaboration, enabling seamless communication, task management, and decision-making in one cohesive workspace, making it ideal for professionals, educators, and students working in collaborative environments.
Relevance	Slack enhances higher education by enabling real-time communication and collaboration among students, teachers, and administrators. It supports group projects, discussion channels, and resource sharing. With generative AI like Slack GPT, it automates tasks, summarizes discussions, and drafts content, fostering efficient teamwork, seamless communication, and productive learning environments for hybrid and online education.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Promotes creativity and co-creation. Fosters digital collaboration.

24.

Title	LingQ
URL	https://www.lingq.com/pt/
Description	LingQ is a language learning platform that emphasises vocabulary acquisition and reading comprehension through real-world content. The LingQ Community allows learners to connect with others, share language resources, and participate in discussions. Students can practice speaking and writing, receive feedback, and engage in group activities. The platform's AI features help personalise lessons, adapting to each user's learning level. It provides tools for translating and reviewing content, enhancing both grammar and vocabulary. Teachers can use LingQ to assign tasks, track progress, and facilitate peer collaboration in a supportive and interactive environment.
Relevance	LingQ is suitable for higher education by providing a platform for language learners to engage with real-world content, receive feedback, and collaborate with peers. Teachers can assign personalised tasks, monitor progress, and use AI-driven lessons to enhance language proficiency, vocabulary, and reading comprehension in a collaborative learning environment.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Promotes active listening skills.

25.

Title	Trello
URL	https://trello.com/
Description	Trello is a visual work management tool that enables teams to envisage, plan, manage, and celebrate their work together in a collaborative, productive, and organised way. Some of its key features include the possibility of creating boards, lists, and cards. Trello organises projects into boards, which contain lists, and each list contains cards representing tasks. This structure provides a clear visual overview of the project's stage and responsibilities. There is also the possibility of customization, which means that users can add files, checklists, or even automation to customize the platform according to their team's workflow. Another characteristic is that Trello integrates with several applications, allowing teams to link their favourite tools and update their processes.
Relevance	Trello is highly suitable for higher education contexts due to its versatility, collaborative features, and ability to support project and task management effectively. It can be used for task and project management for students because students can create Trello boards to track deadlines, break down assignments into smaller tasks, and ensure deadlines. Trello's collaborative features enable students to assign tasks, share updates, and communicate, making it ideal for managing group projects. Graduate and undergraduate students can use Trello to organise research workflows, track literature reviews, and manage experiments or reports.
Features	Encourages to communicate and participate. Is intellectually stimulating. Promotes creativity and co-creation

26.

Title	Google workspace
URL	https://workspace.google.com/
Description	Collaboration platform developed by Google. It integrates a range of tools designed to enhance communication, file management, and teamwork in both professional and educational contexts. It has several communication tools like Gmail, Google Meet, and Google Chat. It may also enhance collaboration and productivity with the use of Google Docs, Sheets, and Slides, Google Drive, Google Keep and Jamboard.
Relevance	Google Workspace is suitable for higher education due to its tools designed to enhance communication, collaboration, organization, and productivity. It allows real-time collaboration, to organise and manage academic work. It enhances learning experiences through the integration

	with several learning platforms like Moodle and Blackboard, as well as third-party tools like Zoom and Kahoot. It can be used for coursework management, virtual classrooms and research collaboration.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Foregrounds adaptability.

27.

Title	Hello Talk
URL	https://www.hellotalk.com/
Description	HelloTalk connects language learners with native speakers, enabling practice through text, voice messages, and video calls. Students can receive real-time corrections, join group discussions, and use AI-powered translation tools. Teachers can set language challenges, monitor progress, and guide students through real-world conversations, fostering cultural exchange. Collaboration is key, as students engage in peer feedback and language exchange groups. The app enhances communication skills, pronunciation, and grammar by facilitating immersive practice and interactive learning. HelloTalk effectively supports language learning, offering a dynamic, collaborative environment for both students and teachers.
Relevance	HelloTalk is suitable for higher education as it enables students to practice languages with native speakers in real-world conversations. Teachers can guide students, offer feedback, and foster cultural exchange. The platform promotes peer collaboration, providing an immersive, interactive learning experience that enhances communication and language proficiency.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Promotes active listening skills.

28.

Title	TeachEngineering for "collaborative leadership"
URL	https://www.teachengineering.org/curriculum/browse?q=collaborative+leadership
Description	TeachEngineering for "collaborative leadership" is a platform which offers several STEM activities that promote collaborative skills among students. Students work in teams to role-play as engineers tasked with developing solutions to potential asteroid impacts. They are encouraged to assign team roles such as discussion leader, timekeeper, and scribe, fostering collaborative leadership and teamwork.

Relevance	TeachEngineering projects and activities, while primarily designed for K-12 education, can be adapted to higher education to provide hands-on, collaborative, and problem-solving experiences that align with the learning objectives of STEM disciplines. Some examples of applications in higher education are: engineering projects where teams could work on advanced versions of the provided activities, incorporating simulations, real-world data, or professional-grade materials; collaborative leadership training in which the structured team roles in activities offer a platform for developing leadership and teamwork skills; and interdisciplinary research based on activities involving environmental science, technology, and design can be integrated into broader university research or lab projects.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Is intellectually stimulating.

29.

Title	Studio Code
URL	https://studio.code.org/s/ai-ethics-2023/lessons/2
Description	Interactive platform designed to teach computer science and coding concepts to learners of all ages. It focuses on creating engaging and accessible learning experiences, often incorporating real-world applications and collaborative problem-solving. In this OER users can find interactive lessons that provide hands-on coding activities and step-by-step tutorials, gamified lessons which make learning fun and accessible. The "AI Ethics" series, for example, explores social and ethical implications of artificial intelligence. It also encourages critical thinking about technology's role in society and creative problem-solving.
Relevance	In Higher Education, certain topics, such as AI ethics, can be used in more advanced settings to discuss technology's broader impacts. Academics can use the platform to learn coding or incorporate technology in their fields.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Is intellectually stimulating.

30.

Title	Edpuzzle
URL	https://edpuzzle.com/
Description	It is a tool for transforming video content any classroom can use. Both teachers and students can customize online videos (e.g. their own videos or high-quality available videos on TED, Khan Academy, You Tube, and others) to prompt viewers to think critically, reflect, and respond. Videos can be customized with voice-over comments, embedded assessment questions, links, and resources. It has AI features that can generate questions that are directly embedded into a video based on the transcript of speech within the video.
Relevance	It can empower students to take an active role in their learning with interactive video lessons that spark creativity and curiosity. It can be used as a tool for the flipped classroom or for student-led creation.
Features	Inspires to change (new ways of thinking, seeing) and new ways of learning. Encourages to communicate and participate. Promotes active listening skills

31.

Title	Etherpad
URL	https://etherpad.org/
Description	Etherpad is a real-time collaborative text editor that allows multiple users to simultaneously edit a shared document. It provides version control, color-coded authorship, and simple formatting options, making it an effective tool for brainstorming, collaborative writing, and reflective intercultural dialogues.
Relevance	Etherpad is well-suited for intercultural communication in higher education. It allows students from diverse cultural backgrounds to co-create documents, share reflections, and participate in real-time collaborative writing activities. The tool fosters active listening, communication, adaptability, and problem-solving skills by encouraging collaborative engagement across cultural perspectives.
Features	Encourages to communicate and participate. Promotes active listening skills. Foregrounds adaptability.

32.

Title:	Coursera
URL:	https://www.coursera.org/
Description:	The OER includes a collection of open-source AI tools designed for educational purposes. These tools can assist in content creation, personalized learning, and AI-driven pedagogical strategies. The resources emphasize generative AI's role in enhancing teaching and learning by providing adaptable and interactive learning environments.
Relevance	Applicable Fields: AI in education, digital pedagogy, instructional design, and STEM education. Skill Development: AI literacy, adaptive learning strategies, curriculum design, and data-driven decision-making. Use Case: Faculty and students can use these tools for research, lesson planning, and AI-assisted teaching methodologies.
Features	Digital Leadership: AI-driven decision-making and instructional technology. Collaborative Leadership: Encouraging co-creation of content with AI tools in educational settings. Business Leadership: Exploring AI's impact on business education and strategic management learning. Self-Leadership: Developing autonomous learning skills using AI-generated feedback and personalized study paths.

33.

Title:	LinkedIn Learning
URL:	https://www.linkedin.com/learning/
Description:	LinkedIn Learning provides a comprehensive suite of courses on generative AI, covering topics such as: - Fundamental Concepts: Understanding what generative AI is and how it functions. - Ethical Considerations: Exploring the ethical implications and responsibilities associated with generative AI. - Industry Applications: Examining how generative AI is utilized across various sectors, including business and technology. - Future Trends: Discussing the evolving landscape of AI and its potential future developments.
Relevance	LinkedIn Learning's generative AI courses are well-suited for higher education settings, particularly in disciplines such as: - Computer Science: Students can gain foundational knowledge of AI models and algorithms.

	<ul style="list-style-type: none"> - Business: Future leaders can learn about the strategic implementation of AI in business processes. - Ethics: Courses address the moral considerations of AI, beneficial for philosophy and ethics studies. <p>These courses support skill development in areas like critical thinking, ethical reasoning, and technological proficiency.</p>
Features	<p>The courses encompass themes such as:</p> <ul style="list-style-type: none"> - Digital Leadership: Guiding organizations through AI integration. - Business Leadership: Strategic decision-making involving AI technologies. - Self-Leadership: Encouraging individuals to independently explore and understand AI concepts.

34.

Title:	Mind Tools
URL:	https://www.mindtools.com/
Description:	AI Conversations is designed to help individuals practice and improve their communication skills by engaging in simulated workplace dialogues. The tool utilizes generative AI to create adaptive responses, allowing users to navigate various scenarios such as managing underperformance or delegating tasks. It offers both audio and text-based interactions to cater to different learning preferences.
Relevance	<p>In a higher education context, particularly within business and management programs, AI Conversations serves as a valuable tool for developing soft skills essential for leadership roles. Students can benefit from:</p> <ul style="list-style-type: none"> - Experiential Learning: Engaging in realistic scenarios that prepare them for real-world challenges. - Skill Development: Enhancing communication, conflict resolution, and decision-making abilities. - Self-Assessment: Receiving personalized feedback to identify strengths and areas for improvement.
Features	<p>The primary themes addressed by AI Conversations include:</p> <ul style="list-style-type: none"> - Business Leadership: Guiding teams effectively through challenging situations. - Collaborative Leadership: Fostering teamwork and managing interpersonal dynamics. - Self-Leadership: Reflecting on one's communication style and areas for personal growth.

35.

Title:	Skillshare
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URL:	https://www.skillshare.com/en/
Description:	Skillshare is an online learning platform offering a wide array of courses across various creative and professional disciplines. While it is not an open-source platform, it provides numerous resources that can be valuable for educators and learners interested in integrating generative AI into their practices.
Relevance	Skillshare's courses are suitable for higher education, particularly in fields like design, technology, and business. For instance, the "Using Generative AI in UX Design" course can enhance a design curriculum by demonstrating how AI tools can streamline the user experience design process. Similarly, courses on AI prompt engineering can be beneficial for computer science students focusing on natural language processing.
Features	Within the selected area, Skillshare covers themes such as digital and collaborative leadership. Courses on generative AI in design and prompt engineering foster digital innovation and encourage collaborative problem-solving, essential components of modern leadership.

36.

Title:	The Center for Creative Leadership (CCL)
URL:	https://www.ccl.org/
Description:	The Center for Creative Leadership (CCL) provides a comprehensive suite of leadership development programs, workshops, articles, and tools aimed at enhancing leadership capabilities. Their resources cover a broad spectrum of leadership topics, including digital transformation, intercultural leadership, collaborative leadership, and self-leadership. For instance, CCL discusses the integration of artificial intelligence (AI) in leadership, emphasizing the balance between technological advancements and human-centric leadership approaches.
Relevance	CCL's resources are highly pertinent to higher education, particularly in disciplines such as organizational behavior, business administration, and educational leadership. They offer insights into leadership theories and practical applications that can be integrated into curricula to develop students' leadership competencies. For example, their discussions on building a resilient organization provide valuable frameworks that can be incorporated into courses on change management and organizational development.
Features	Within the selected areas, CCL addresses several key themes: <ul style="list-style-type: none"> - Digital Leadership: Exploring the impact of AI and digital transformation on leadership practices. - Intercultural Leadership: Strategies for leading diverse teams and fostering inclusive environments. - Collaborative Leadership: Emphasizing the importance of teamwork and collective problem-solving.

	- Self-Leadership: Encouraging personal development and self-awareness as foundational leadership traits.
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37.

Title:	EdX
URL:	https://www.edx.org/
Description:	EdX offer courses such as "Generative AI Fundamentals Professional Certificate," which covers topics like leveraging generative AI, large language models (LLMs), prompt engineering, and MLOps best practices to optimize software development workflows and boost productivity using cloud services and local tools.
Relevance	EdX's courses are well-suited for higher education, particularly in fields like computer science and data science. For instance, the "Generative AI Fundamentals Professional Certificate" program provides in-depth knowledge of generative AI, which is crucial for students aiming to specialize in artificial intelligence and machine learning. This program enhances skills in developing and deploying AI applications, a valuable competency in today's tech-driven academic and professional landscapes.
Features	Within the selected area, edX's offerings cover themes such as: <ul style="list-style-type: none"> - Digital: Courses on AI, machine learning, and data analysis. - Collaborative: Programs emphasizing teamwork in tech projects. - Business and Self-Leadership: Courses on AI applications in business and leadership strategies.

38.

Title:	FutureLearn
URL:	https://www.futurelearn.com/
Description:	FutureLearn's courses on generative AI cover a range of topics, including: <ul style="list-style-type: none"> - The fundamentals of generative AI and large language models. - The impact of AI on higher education, including its role in assessment design, marking, and feedback. - Ethical and environmental considerations surrounding AI. - The use of chatbots as study assistants and the implications for pedagogy and ethics.
Relevance	These courses are particularly suitable for higher education professionals and students interested in understanding and applying generative AI in educational settings.

	<p>FutureLearn's offerings are relevant for future teaching and learning contexts as they:</p> <ul style="list-style-type: none"> - Relevance: Provide up-to-date knowledge on AI developments. - Adaptation: Offer flexible online learning suitable for diverse educational settings. - Generative AI Use: Demonstrate practical applications of AI in education, serving as examples of assisted generative AI learning scenarios.
Features	<p>Within the selected area, the courses cover themes such as:</p> <ul style="list-style-type: none"> - Digital: Understanding the technological aspects of generative AI and its applications. - Collaborative: Exploring how AI can facilitate collaboration between students and educators. - Business and Self-Leadership: Examining the implications of AI in the workplace and how individuals can lead in an AI-enhanced environment.

39.

Title:	OER Commons
URL:	https://oercommons.org/
Description:	<p>OER Commons is a comprehensive digital library offering a vast array of open educational resources (OER) across multiple disciplines and educational levels. Within its extensive collection, it provides valuable materials related to generative AI-based learning, including:</p> <ul style="list-style-type: none"> - Open Source Tools for Generative AI-Based Learning: The platform features resources like the "Open Prompt Book from CampGPT," which showcases how educators have experimented with generative AI tools such as chatbots and image generators to enhance learning experiences. - Examples of Best Pedagogical Practices Using Generative AI-Based Tools: Collections such as "Resources for Teaching AI" offer lesson plans where students engage with machine learning to make predictions, investigate biases, and use generative adversarial networks to create art, thereby integrating AI into various disciplinary fields. - Examples of Applied Pedagogical Research: The "AI Resources for Educators" collection includes materials that discuss the ethical use of AI in education, providing insights into curriculum development and lesson planning that incorporate AI tools. <p>OER COMMONS</p> <ul style="list-style-type: none"> - Examples of Lesson Plans Demonstrating the Added Value of Using Generative AI-Based Tools: Lesson plans within the "Resources for Teaching AI" collection guide students to work directly with AI technologies, participate in activities that deepen their understanding, and create authentic products like machine learning models and video games.

Relevance	OER Commons is highly suitable for higher education, offering resources that cater to advanced learning and skill development. For instance, the "AI for OER" hub provides a community space supporting the use of artificial intelligence for the creation and adaptation of open educational resources in higher education.
Features	<p>Within the selected area, the themes covered include:</p> <ul style="list-style-type: none"> - Digital: Exploration of AI tools and their applications in creating and adapting educational content. - Collaborative: Resources that encourage collaboration among educators and students in developing AI-integrated learning materials. - Business and Self-Leadership: Materials that discuss the ethical implications of AI in professional settings, promoting responsible use and self-leadership in technology adoption.

40.

Title:	NAVOICA
URL:	https://navoica.pl/
Description:	Navoica.pl is a Polish educational platform offering a variety of Massive Open Online Courses (MOOCs) across multiple disciplines. While the platform provides courses related to artificial intelligence (AI), such as "Podstawy sztucznej inteligencji" (Basics of Artificial Intelligence) and "Fundamentals of Artificial Intelligence," it currently does not feature specific Open Educational Resources (OER) focused on generative AI-based learning tools, pedagogical practices utilizing generative AI, applied pedagogical research, or lesson plans demonstrating the added value of generative AI tools.
Relevance	The available AI courses on Navoica.pl are designed to introduce learners to the fundamentals of artificial intelligence, covering topics like the origins of AI, its applications, and basic machine learning concepts. These courses are suitable for higher education students seeking foundational knowledge in AI, particularly in fields such as computer science, data science, and related disciplines.
Features	The AI courses primarily cover digital themes, focusing on technological concepts and applications. While they provide a solid foundation in AI, they do not explicitly address intercultural, collaborative, business, or self-leadership themes.

41.

Title:	OERTX
URL:	https://oertx.highered.texas.gov/

Description:	<p>OERTX is a comprehensive repository of Open Educational Resources (OER) tailored for higher education, with a focus on integrating emerging technologies like Artificial Intelligence (AI) into educational practices.</p> <p>In resources of OERTX we can find:</p> <ul style="list-style-type: none"> - Open Source Tools for Generative AI-Based Learning: OERTX offers resources that explore the use of AI in education, such as the "AI Meets OER: Unleash Creativity & Navigate Licensing" session, which discusses strategies for harnessing AI to create and adapt open resources. - Examples of Best Pedagogical Practices Using Generative AI-Based Tools in Specific Disciplinary Fields: The platform provides materials like "Artificial Intelligence (AI) & Adapting to Innovation," which guides educators on incorporating AI into their classrooms and institutional operations. - Examples of Applied Pedagogical Research: Resources such as "AI in Higher Education" delve into how generative AI is utilized across disciplines for creating content, writing code, facilitating research, and more. - Examples of Lesson Plans Demonstrating the Added Value of Using Generative AI-Based Tools: While specific lesson plans are not explicitly listed, the platform's resources provide foundational knowledge and strategies that educators can adapt into their lesson planning.
Relevance	OERTX's resources are particularly suitable for higher education as they address the integration of AI across various disciplines. For instance, the "Artificial Intelligence (AI) & Adapting to Innovation" group features resources curated to guide faculty, staff, and administrators in incorporating AI into their classrooms and institutional operations.
Features	The selected resources encompass themes such as digital innovation, collaborative learning, and self-leadership. They emphasize the importance of adapting to technological advancements and fostering a collaborative environment among educators and learners.

42.

Title:	Udemy
URL:	https://www.udemy.com/
Description:	<p>Udemy is an online learning platform that provides a vast collection of courses across multiple disciplines, including technology, business, personal development, and academic subjects. While it is not a fully open educational resource (OER) in the traditional sense—since many courses require payment—it does offer free courses and educational materials that can be useful for learners and educators.</p> <p>Udemy provides thousands of courses in various domains, including programming, AI, business,</p>

	communication, leadership, and creative skills. The platform enables self-paced learning, making it accessible for learners worldwide. Some courses are designed for educators, helping them integrate AI tools and digital learning strategies into their teaching practices.
Relevance	Udemy is particularly beneficial for higher education in areas such as digital skills development, AI integration, and business leadership. It is useful for: <ul style="list-style-type: none"> - Technical skills development: Courses on AI, coding, data science, and machine learning. - Soft skills and leadership: Courses on communication, emotional intelligence, and intercultural competence. - Business and entrepreneurship: Training on digital marketing, finance, and business strategy.
Features	Udemy courses align with various themes, including: <ul style="list-style-type: none"> - Digital: AI, programming, digital marketing, cybersecurity. - Intercultural: Cross-cultural communication, global business strategies. - Collaborative: Team leadership, project management, online collaboration tools. - Business and Self-Leadership: Entrepreneurship, personal productivity, emotional intelligence.

43.

Title:	The Arbinger Institute's "Leadership and Self-Deception"
URL:	https://www.arbinger.com/
Description:	"Leadership and Self-Deception" explores how individuals unknowingly sabotage relationships and leadership effectiveness through self-deceptive thinking. It introduces the concept of "being in the box" (a mindset that distorts reality and limits collaboration) and "getting out of the box" (a mindset of openness, accountability, and effective leadership). The book is widely used in business education, executive training, and personal development programs.
Relevance	This resource is highly relevant to higher education, especially in business, psychology, organizational behavior, leadership studies, and personal development. It is particularly useful for: <ul style="list-style-type: none"> - Leadership training (helping students develop self-awareness and emotional intelligence). - Interpersonal and team dynamics (improving communication and collaboration). - Ethical decision-making (fostering responsibility and integrity in leadership). - Change management and innovation (encouraging adaptability and open-mindedness).
Features	Self-Leadership – Developing personal accountability, emotional intelligence, and self-awareness. Business Leadership – Strengthening leadership skills for management and entrepreneurship. Collaborative Skills – Enhancing teamwork, communication, and problem-solving abilities. Intercultural Competence – Encouraging understanding and empathy in diverse workplaces.

44.

Title:	Harvard Business Review – Self-Leadership Articles
URL:	https://hbr.org/
Description:	<p>Harvard Business Review's Self-Leadership section contains research-based articles on personal leadership, decision-making, resilience, productivity, emotional intelligence, and self-awareness. The articles combine academic research with real-world business applications, making them valuable for professionals and students alike.</p> <p>Key topics include:</p> <ul style="list-style-type: none">- Mindset and resilience in leadership- Time management and productivity strategies- Emotional intelligence and self-awareness- Decision-making and ethical leadership- Personal branding and executive presence
Relevance	<p>HBR's Self-Leadership articles are widely used in business schools, leadership programs, and professional development courses due to their practical applications and research-backed insights.</p> <p>Applicable Subjects and Skills Development:</p> <ul style="list-style-type: none">- Business and Management – Enhancing leadership skills, strategic thinking, and decision-making.- Psychology and Organizational Behavior – Understanding emotional intelligence and leadership psychology.- Entrepreneurship – Developing resilience, adaptability, and self-leadership.- Communication and Negotiation – Learning how to manage workplace relationships effectively. <p>These articles can serve as case studies, discussion starters, or supplementary readings in university courses focused on leadership, management, and personal development.</p>
Features:	<p>Self-Leadership – Personal development, resilience, and growth mindset.</p> <p>Business Leadership – Decision-making, ethics, and executive leadership.</p> <p>Collaborative Leadership – Teamwork, coaching, and mentoring.</p> <p>Intercultural Competence – Leading in diverse and global environments.</p>

45.

Title:	Positive Psychology Program
URL:	https://positivepsychology.com

Description:	<p>The Positive Psychology Program is an educational platform that provides practical tools, research summaries, and exercises focused on enhancing well-being, resilience, emotional intelligence, and mental health. The platform includes:</p> <ul style="list-style-type: none"> - Articles & Research Papers – Covering topics like mindfulness, gratitude, and self-compassion. - Worksheets & Exercises – Activities for self-reflection, goal-setting, and stress management. - Courses & Certifications – Training for professionals in coaching, therapy, and education.
Relevance	<p>This resource is highly relevant for higher education in psychology, counseling, education, business, and leadership programs.</p> <p>Applicable Subjects and Skills Development:</p> <ul style="list-style-type: none"> - Psychology & Counseling – Enhancing well-being, emotional intelligence, and resilience. - Education & Pedagogy – Applying positive psychology in teaching and student development. - Business & Leadership – Improving workplace well-being, leadership, and motivation. - Health & Social Sciences – Using psychological tools for mental health support. <p>This OER is valuable for lecturers, researchers, and students who want to integrate psychological well-being principles into their professional and academic practice.</p>
Features:	<p>Self-Leadership – Emotional intelligence, resilience, and self-awareness.</p> <p>Collaborative & Business Skills – Positive workplace culture, team motivation, and leadership.</p> <p>Digital & Technological Well-being – Mindfulness in the digital era, stress management, and well-being practices.</p> <p>Intercultural & Ethical Perspectives – Promoting empathy, compassion, and social responsibility.</p>

46.

Title:	Tony Robbins – Self-Leadership and Personal Growth
URL:	https://www.tonyrobbins.com/
Description:	<p>Tony Robbins' platform offers content focused on self-leadership, mindset transformation, financial mastery, and business success. His materials—ranging from blog articles, podcasts, and video resources to interactive assessments—help learners develop resilience, emotional intelligence, and decision-making skills. The site provides both free and paid resources, making it accessible for various learning needs.</p>
Relevance	<p>Robbins' principles can be particularly useful in courses related to business leadership, entrepreneurship, psychology, and personal development. University programs that emphasize emotional intelligence, resilience, and motivation can integrate his methodologies into curriculum</p>

	development. Case studies from his coaching programs could be used in business ethics, organizational behavior, or leadership courses.
Features:	Business and Self-Leadership – Developing confidence, goal-setting, and productivity strategies. Emotional Intelligence – Enhancing personal and professional relationships. Intercultural and Collaborative Skills – Learning communication strategies applicable in diverse work environments.

Section Three: Other Learning Materials

47.

Title	Eight Poles for Intercultural Intelligence
URL	https://commonpurpose.org/docs/default-source/default-document-library/pdfs/assessments/8poles.pdf
Dimension	Intercultural leadership
Description	PDF document of two pages with instructions and a set of questions. It's a simple tool to help leaders understand and assess their cultural intelligence (CQ) based on comparison and contrast. First, they need to find ideally eight other leaders that differ from them e.g. in gender, generation, location, culture, field of expertise (these represent the eight different poles). These leaders are to answer a set of questions about how they see the leader in question. The analysis of the answers collected should help the leader in question understand his/her CQ better.
Relevance	This OER is adaptable to various contexts/courses/skills development areas. The main idea is to become aware, critically evaluate and learn about self through answers collected from other people who represent diverse and even opposing contexts than a person in question. AI-driven tools can be used for prompting questions and evaluation of answers.

48.

Title	Generative AI for Scenario Planning
URL	https://drive.google.com/file/d/1cHpdEE1vAwtJpEUJcd1jF8B9beqcQMTN/view?usp=sharing Team project plan assignment https://drive.google.com/file/d/1q1JR_mKTag4YJSiyNYOXtk_BXAJ05hKF/view?usp=sharing

Dimension	Business leadership
Description	A team of four adult learners experimented with generative AI as a tool for scenario planning in the context of event management. The student team's project plan and project presentation illustrate the case and its results.
Relevance	The resource promotes adaptability and highlights the practical use of AI-based solutions in preparing for worst-case scenarios and improving stakeholder collaboration in the context of risk management, reputation management, and event management.

49.

Title	Culturally Contextualized Activities Using an AI Chatbot
URL	https://www.aiforeducation.io/prompts/culturally-contextualized-activities ; https://www.aiforeducation.io/prompts/rubrics https://www.aiforeducation.io/prompts/blooms-taxonomy
Dimension	Intercultural Leadership
Description	Culturally Contextualized Activities Using an AI Chatbot, prompt Library and examples including assessment rubrics and Blooms taxonomy adaptable for any level, downloadable resources, syllabus for GenAI Literacy Training course.
Relevance	Adaptable; general frameworks (5S model for AI prompt framework), examples for creating ethical rules for using AI in Education; topics for management and leadership (and skills development in general) such as SMART goal generator, research project ideation, flash cards, celebrity head prompt, summarize a text and meeting minutes, Language Learning Practice Partner, Self-regulation strategies, Mindfulness.

50.

Title	AI and Collaboration
URL	https://avidopenaccess.org/resource/ai-and-collaboration/
Dimension	Collaborative leadership
Description	It explores how both teachers and students can use generative artificial intelligence (AI) to enhance collaborative learning experiences: AI aids as a brainstorming partner, assisting teachers in creating collaborative group activities that promote individual accountability and group interdependence. For example, AI can suggest ideas like escape room challenges, prototype design, role-playing historical events, science experiments, group art projects, literature circles, geography treasure

	hunts, and mock trials. While AI provides initial concepts, teachers refine these to align with learning standards and classroom objectives. AI can also help to create student groups by considering factors such as skills, learning styles, and personalities, ensuring effective collaboration. AI tools can assist in tracking group interactions and contributions as well, providing insights into student participation and identifying areas where support may be needed.
Relevance	AI and Collaboration is a revolutionary initiative that can enhance collaboration, innovation, and skills development, making it well-suited for higher education contexts.

51.

Title	Outcomes of a “virtual think tank” to establish collaborative leadership initiative plans (“CLIPs”)
URL	https://www.sciencedirect.com/science/article/pii/S2667276624000040
Dimension	Collaborative leadership
Description	The OER discusses the implementation and results of a Virtual Think Tank (VTT). Participants formed small groups based on shared leadership interests to create CLIPs—multi-institutional programmatic or scholarly initiatives aimed at producing mutually beneficial deliverables. The VTT led to meaningful improvements in participants' perceptions regarding networking, scholarly collaboration, educational collaboration, and professional service opportunities.
Relevance	It was used by academics and can be replicated across several scenarios.

52.

Title	OER Commons
URL	https://oercommons.org/
Dimension	Collaborative leadership
Description	Public digital library that offers a vast collection of open educational resources (OER) across different subjects and education levels.
Relevance	OER Commons is suitable for higher education because it supports open and collaborative educational practices, providing resources and tools that align with the diverse needs of students and teachers in advanced learning environments. It gives access to high-quality Open Educational Resources (OER), allows customization of learning materials, encourages collaboration and sharing, promotes innovative teaching practices, supports academic research and development, encourages open pedagogy. OER Commons is also easy to use and align with HE goals.

53.

Title	Trustworthy AI (video tutorial)
URL	https://www.youtube.com/watch?v=px9h-ikyf74&list=PLud5GVBHLeg5N3QrGRHNAWenPRs2u8leV&index=4 & https://z-inspection.org/
Dimension	Business leadership
Description	This video presentation by Dr. Magnus Westerlund, Director of the Laboratory for Trustworthy AI at Arcada University of Applied Sciences in Helsinki, Finland, provides an introduction to what is Trustworthy AI and how it can be assessed and achieved. The video discusses challenges of AI development, what is understood as trustworthy AI, and how to assess and co-design trustworthy AI solutions to promote ethical, secure, and robust AI developments. The video can be integrated in SHUTTLE modules as a best-practice example of multi-stakeholder participation in strategic AI development processes and projects.
Relevance	The resource is based on the work of experts and researchers in AI security, who have also developed a research-based process tool, reports, and case stories about lessons learned for assessing trustworthy AI in practice (https://z-inspection.org/)

54.

Title	European AI Act (video tutorial)
URL	https://www.youtube.com/watch?v=Q-BCFaun-UI&list=PLud5GVBHLeg5N3QrGRHNAWenPRs2u8leV&index=3
Dimension	Business leadership
Description	This video presentation introduces the European AI Act, focusing on the key points of the world's first general regulation on artificial intelligence and its risk-based approach. The video is offered by Dr. Béatrice Shütte (University of Helsinki, Faculty of Law, Legal Tech Lab and University of Lapland, Faculty of Law), who is an expert in the regulation of AI.
Relevance	The resource is relevant, as it introduces an important legal and regulatory framework for the development and use of AI systems that may pose risks to human rights and fundamental values.

55.

Title	AI Pollution – opportunities and challenges (video presentation)
URL	https://www.youtube.com/watch?v=Zt2Gdzkvdug&list=PLud5GVBHLeg7wS360xfkVsGZLm2WeIXdO

Dimension	Business leadership
Description	This video presentation by Dr. Arash Hajikhan, Technical Research Centre of Finland VTT, focuses on the opportunities and challenges of generative AI. The overload of content generated by AI, the so-called AI pollution, is seen as a key challenge, and the video aims to provoke thoughts about and discuss solutions and practices for studying and mitigating the challenge. The video can be integrated in SHUTTLE modules as a best-practice example of multi stakeholder participation in joint AI development processes and projects.
Relevance	The resource draws attention to the existing and ever rising challenges that AI-generated content overload brings about both in universities and workplaces. A proactive approach is needed to come up with hybrid solutions that combine human evaluation and sensemaking with the benefits of generative AI. As an organization, VTT is well-placed to develop such hybrid human-AI approaches, as it collaborates widely with diverse public and private stakeholders, bringing together insights from academia, industry, and policymakers to benefit the economy and society at large. The video can be integrated with the SHUTTLE modules to increase learners' awareness of the AI pollution challenge and to provoke discussion and reflection about possible solutions.

56.

Title	HEDY Toolkit (Life in the AI Era project OERs)
URL	https://ec.europa.eu/programmes/erasmus-plus/project-result-content/3c4561d0-a530-4c53-b8d9-8ece650d080c/Toolkit-HEDY_EN.pdf & MOOC materials: https://lifeintheaiera.eu/2023/02/24/life-in-the-ai-era-hedy-mooc/
Dimension	Business leadership
Description	This report of the Erasmus+ project Life in the AI Era (https://lifeintheaiera.eu/) takes the form of an easy-to-use toolkit. It contains a useful catalogue of video talks that address AI developments in business and education. You can open each individual OER simply by clicking the respective entry in the list of contents of this project report. The toolkit is meant for self-directed learning, in addition to a MOOC that was also produced in the project.
Relevance	The 10 short video talks included in the Toolkit function as practical tools with which to “share knowledge regarding the dangers and ethical issues that come with AI, as well as how to use it for the benefit of society successfully.” The video talks can also easily be integrated with SHUTTLE modules to function as triggers for further discussion and reflection. The video format is especially suitable for those who learn best through watching and listening, without having to rely solely on text-based content. According to the project partners, “the HEDY Toolkit is designed for individuals

	in higher education [...] as well as the broader public with a curiosity about AI.” The Toolkit can be used based on personal needs (whether it is used in a classroom as a project task, or for personal improvement of an individual). For those interested, the related MOOC can be found here: https://lifeintheaiera.eu/2023/02/24/life-in-the-ai-era-hedy-mooc/ .
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57.

Title	List of AI tools for business, marketing and communication (compiled by Marketing Finland)
URL	https://www.mrktng.fi/markkinointiutiset/markkinoinnin-ja-viestinnan-ai-tyokalut/
Dimension	Business leadership
Description	This site by Marketing Finland contains links to many AI-based tools that can benefit business, marketing, and communication professionals. The site is in Finnish, but the links lead to English-language tools and sites.
Relevance	This open resource can be used as an introductory exercise for guiding learners to explore the wide variety of marketing and communication tools available and what to do with them. This resource could be integrated in SHUTTLE modules as a group exercise where learners discuss the AI tools and their potential uses in relation to professional and study contexts and needs they are familiar with. The sites also contain information about the pricing of the tools.

58.

Title	FAIR Finnish AI Region project site
URL	https://www.fairedih.fi/en/frontpage/ & training catalogue (an updating list): https://fair-skills-and-training.web.app/catalogue
Dimension	Business leadership
Description	The site is provided by the project FAIR (Finnish AI Region), funded by the European Commission, Business Finland, and the Innovation Fund of the City of Helsinki. The site and especially its training catalogue provide an updated list of news and training related to the use and development of AI for both enterprises and higher education. The Finnish AI Region project offers “businesses low-threshold expertise in artificial intelligence, augmented reality, high-performance computing, and cyber security” and aims “to accelerate and expand the adoption of artificial intelligence in small and medium-sized enterprises.” Please note: some of the links to webinars and other digital materials are not active.

Relevance	The FAIR project and the website are a good example of a future learning and networking environment that brings together higher education and diverse private and public stakeholders. The FAIR training catalogue lists an assortment of digital services and educational opportunities for organizations and individuals looking to upgrade their digital skills.
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59.

Title	Education 5.0 – What it means
URL	https://www.sydle.com/blog/education-5-0-61e71a99edf3b9259714e25a & other blog articles on digital transformation and education: https://www.sydle.com/blog/t/educacao-62a22f73a11789318b28d151
Dimension	Business leadership
Description	This blog article and the related blog site present an overview of Education 5.0 and a general understanding of what kinds of soft skills and technological skills are needed to successfully apply and implement its principles and practices. The overall message is that education, technology, and society are “interconnected and complementary in their approach to shaping the future of human development and societal progress”.
Relevance	The resource provides a practical introduction to Education 5.0 that is easy to integrate with any OER to satisfy learners’ needs for basic information on the topic and to motivate learners to explore the topic further.

60.

Title	Diversity in the Age of AI: Diversified We Grow
URL	https://diversityatlas.io/diversity-in-the-age-of-ai-diversified-we-grow/ Big Data and AI World - discussion
Dimension	Intercultural leadership
Description	"A lecture and article by Peter Mousaferiadis, an Australian based cultural expert and the founder of Diversity Atlas that focuses on the measurement of cultural diversity, along with the knowledge and insight necessary for inclusive strategies that lead to more harmonious and productive teams. The platform provides a wide variety of ideas, attitudes and can be used for reading comprehensions and discussions on the impact of AI on culture and human identities. "
Relevance	Develops a set of transversal skills such as critical thinking and cultural awareness in a broad contemporary global context and questions how AI can affect complex human identities and the

	diversity of humankind. Refers to Big data (database) and focuses on the changes over the past approx. 10 years. It looks beyond the dimensions and categories commonly used so far (language communities, countries of origin, gender and biological sex, secular and non-secular traditions).
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61.

Title	Salminen & Vesala-Varttala (2024): Marketing professionals' expectations for supportive AI learning environments
URL	https://esignals.fi/pro/en/2024/11/27/marketing-professionals-expectations-for-supportive-ai-learning-environments/ & Satu Salminen's Master Thesis Report (2024) on pharmaceutical marketing professionals' AI maturity, learning experiences, and expectations for organizational and leadership support: https://www.theseus.fi/bitstream/handle/10024/867788/Salminen_Satu.pdf?sequence=2&isAllowed=y
Dimension	Business leadership
Description	This research-based pedagogical article and related master thesis report explore the AI learning experiences and learning needs of marketing professionals, highlighting the support needs and expectations that marketing professionals have towards their organizational learning environments. The article concludes by suggesting that universities and workplaces join forces to better support employee skills development through "courageous and innovative AI experimentation, knowledge-sharing, and collaboration across disciplines, organizational boundaries, and cultures."
Relevance	The resources focus on the everyday experiences, mindsets, and organizational support structures that are at the core of developing future learning competences. The key findings can be integrated into SHUTTLE modules to motivate and encourage learners to design their AI learning journeys with colleagues, coaches, and leaders during workplace training and university studies.

62.

Title	WORKBOOK 4 - HE Transformation Leadership – an analysis of emergent and high potential leadership styles (NEWLead project OERs)
URL	https://ec.europa.eu/programmes/erasmus-plus/project-result-content/7ae0fc08-8e95-48f5-af9c-ddfb0ed6b753/NEWLEAD_Workbook_4.pdf
Dimension	Business leadership
Description	This NEWLead - Innovative Leadership and Change Management in Higher Education report discusses the role of higher education in addressing systemic problems and in "being in service to

	society.” The report underlines that tackling complex problems requires collaboration among different HEIs along with government and industry. Corporate and educational leaders are seen to be in a leadership role to answer to the fast-growing stakeholder expectations of students and employees. Generation Z, in particular, is expecting universities and employers to drive value-driven environmental, societal, and economic changes to help address diverse social and environmental concerns.
Relevance	The resource takes as one of its key starting points “the fact that individuals will increasingly need access to education and training throughout their lives as the speed at which knowledge becomes obsolete further accelerates.” The report can be integrated in SHUTTLE modules as background reading stimulating reflection and further discussion.

63.

Title	Khan (2023): AI-Driven inclusive learning in a co-creative environment
URL	https://esignals.fi/pro/en/2023/10/11/ai-driven-inclusive-learning-in-a-co-creative-environment/
Dimension	Business leadership
Description	This research-based pedagogical article addresses the AI-driven shift in education and discusses the opportunities of using AI-based tools and applications to develop flexible university pedagogies suited for the needs of different learner types, including learners with special needs such as sensory impairments, emotional barriers, linguistic obstacles, and learning difficulties.
Relevance	The article presents links to AI-based tools and offers research-based pedagogical insights relevant for future learning and SHUTTLE module planning & helps illustrate the usefulness of AI solutions for promoting inclusivity, co-creation, and human-computer interaction in education. The article also offers practical examples and tools, and an introduction to state-of-the-art educational research into adaptive personalized learning (Sayed et al. 2023), fostering critical thinking and problem-solving abilities (Ashley et al. 2023), metacognitive skills (Grubaugh et al. 2023), self-reflection (Afzaal et al. 2023), idea generation (Selker et al. 2023), curriculum development (Tavakoli et al. 2022), and tailored coaching and mentoring (Su & Yang 2023).

64.

Title	Instructional Moves: Case based collaborative learning
URL	https://instructionalmoves.gse.harvard.edu/designing-case-based-collaborative-learning-case?admin_panel=1 ; https://instructionalmoves.gse.harvard.edu/cbcl?utm_source=chatgpt.com

Dimension	Collaborative leadership
Description	The "Designing a Case-Based Collaborative Learning Case" project, featured on Harvard's Instructional Movis website, focuses on creating effective case-based collaborative learning (CBCL) experiences. Effective CBCL cases are designed to challenge students by requiring a level of "productive struggle". This involves crafting scenarios where solutions are not straightforward or easily searchable online, encouraging deeper engagement and critical thinking. Instructors may deliberately embed key information within the case or include minor details to add complexity, mirroring real-world situations where relevant information isn't always immediately apparent. "
Relevance	The Designing Case-Based Collaborative Learning (CBCL) approach is suitable for higher education since it simulates real-world problem solving, promotes active learning, develops collaborative skills, encourages effort. It is also flexible across disciplines, enhances instructor roles (as a facilitator and for assessment), prepares students for higher-order thinking, builds lifelong learning habits.

65.

Title	Cultural Intelligence in Action
URL	https://saylordotorg.github.io/text_leading-with-cultural-intelligence/s09-00-cultural-intelligence-in-action.html
Dimension	Intercultural leadership
Description	The cases studies are based on real-life stories from international organizations and their management. Each case is followed by an activity to help readers apply their understanding of cultural intelligence (CQ) principles, and it also provides a list that outlines sample review ideas related to the questions in the activity. The case studies are part of the book called Leading with Cultural Intelligence that readers can consult to enhance their understanding of the concept of cultural intelligence, and to get in-depth insights into the case studies.
Relevance	The case studies and the concept of CQ can be used as a starting point for in-class discussions, new case study creation, role-playing and simulation.

66.

Title	Diversity and Inclusion in the Workplace
URL	https://www.open.edu/openlearn/money-business/diversity-and-inclusion-the-workplace/content-section-overview?active-tab=description-tab
Dimension	Intercultural leadership

Description	It introduces users to benefits and complexities of developing and supporting a diverse and inclusive workforce. It explores the positive impact of diversity on staff wellbeing and innovation within an organisation, enhancing a company's competitive advantage and aligning with its social responsibilities. It also provides users with opportunities to learn from experts in the field and to consider how their ideas and expertise might be implemented in their own contexts, both at a personal and organisational level.
Relevance	It can be used as part of any skills development, students can complete it at their own pace.

67.

Title	Intercultural Learning+Internationalisation for Secondary Schools
URL	http://intercultural-learning.eu/toolbox-competences/
Dimension	Intercultural leadership
Description	It is a collection of activities/games with instructions that target different competences such as tolerance for ambiguity, adaptability, multiperspectivity, listening and communication skills. The competences were taken from the model outlined in the competence framework called <i>Competences for democratic culture. Living together as equal in culturally diverse democratic societies</i> designed by the Council of Europe.
Relevance	Despite being a tool targeting secondary school students, the activities can be used in HE, particularly at the beginning of skills development courses to raise awareness and provide them with food for thought.