# AI For Educators

## WORKBOOK + LESSON PLANS

### MODULE 1B

### PROJECT PORTFOLIO

APPLIED
ARTIFICIAL
INTELLIGENCE
FOR HIGHER
EDUCATION

www.BronEager.com

Version: V202308

# Table of Contents



This workbook is designed for use in Bron Eager training and development workshops.


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# Projects

## LESSON PLANS

- Project: Build a Feedback Library
- Project: Create a Case Study

## EXPLORE FURTHER

- Project: Lesson Plans
- Project: Quizzes
- Project: Video / Document Summaries
- Project: Books / Zines
- Project: Podcasts
- Project: AI Videos

ACTIVITY LESSON PLAN

# Project: Feedback Library

In this project, you'll learn to build a library of feedback to use when marking student assignments. Explore the possibilities of generative AI large language models, such as ChatGPT, to build your feedback repository to reduce your cognitive load when marking assessments.

Objective: By the end of this activity, participants will be able to use AI tools to create a library of example assessment feedback.

Materials:

- Blog post: https://broneager.com/chatgpt-marking-assignments
- Internet-connected device (laptop)
- AI chatbot (ChatGPT, Bard, or similar)
- Microsoft Excel (or equivalent)

Duration: 45+ minutes

## Instructions

**Introduction:** Begin the workshop by explaining the importance of providing students with personalised feedback. Discuss the challenges of marking a large number of assignments and introduce the concept of a 'feedback library' i.e., a repository of sample feedback that can be used to reduce the cognitive load involved with marking.

**Exploring the Blog Post:** Divide the participants into small groups and ask them to read the blog post (linked above). The blog post prescribes defining 'feedback blocks', comprising: 'setting the tone', 'stating the intended value of the assignment', 'explaining how the grade was calculated', 'inviting students to seek a feedback consultation', and 'wrapping up the feedback'. Each group should ideate blocks, as they typically require when they mark assessments.

**Introduction to ChatGPT:** Explain conversation-style AI models, such as ChatGPT,  and how they can be used to generate example feedback. Show participants how to access a conversation-style AI chatbot (the example uses ChatGPT) and how it can be used to generate text. Ask participants to sign up for a free account if they don't have access to complete the activity.

**Creating Feedback Blocks:** Using the information in the recommended blog post, each participant should start defining the blocks they might need when providing their own feedback. For each block, participants should be invited to generate a variety of opening sentences, explanations of the assignment's value, explanations of grade calculations, invitations for feedback consultations, and closing remarks. Show participants how to input prompts into ChatGPT to generate these feedback examples. An example prompt/instruction used with ChatGPT to generate example feedback for a block could be something like: *'Please produce a variety of opening sentences I can incorporate in my written feedback for student assignments, based on the phrase 'Hi, thank you for submitting your assignment'*.

**Building the Spreadsheet:** Show participants how to organise the feedback examples in a spreadsheet. Each row of the spreadsheet could represent a different student, and each column could represent a different part of the feedback (opening sentence, explanation of value, grade calculation, invitation for consultation, closing remark). This approach is explained in the linked blog post. Show participants how to copy and paste the generated feedback from ChatGPT into the appropriate cells in the spreadsheet.

**Reviewing and Personalising Feedback:** Participants can now be invited to personalise their feedback examples for different assignments and student cohorts. Encourage creativity and individuality in this step. Participants may wish to generate alternative feedback examples by changing the wording of the prompts they used.

**Sharing and Discussion:** Invite participants to share some of their feedback examples. As a group, reflect on the examples. Discussion will provide an opportunity for peer learning and improvement.

*Remember,* the goal of this activity is not just to create a feedback library, but also to understand the importance of personalised, meaningful feedback in education.

Encourage participants to think about how they might apply this approach to generating feedback in their teaching practice.

Note: This activity is designed to be fun and engaging, but it also requires serious thought and creativity. Encourage participants to be creative and think 'outside the box' when creating their feedback libraries.

ACTIVITY LESSON PLAN

# Project: Classroom Case Study

In this hands-on, interactive lesson, educators will learn how to use a conversation-style AI chatbot, such as ChatGPT, to create engaging and relevant case studies for their classrooms. The lesson will guide educators through the process of choosing a topic, generating a case study background, problem, and questions, and reviewing and revising the case study. By the end of the lesson, educators will have a complete case study that they can implement in their classrooms and have acquired skills to create case studies in future should they wish to. This lesson is designed to empower educators to leverage AI technology to enhance their teaching and engage their students in new and exciting ways.

Objective: By the end of this lesson, educators will be able to use a conversation-style AI chatbot to create detailed and engaging case studies for use in their teaching.

Materials:

- Computers with Internet access
- Word processing software (like MS Word or Google Docs)
- Conversation-style chatbots, such as ChatGPT

Duration: 60+ minutes

## Instructions

**Introduction:** Begin the lesson by explaining how case studies can be incorporated into teaching, such as for applying theoretical concepts to real-world scenarios.

**Introduction to Chatbots:** Introduce an AI chatbot, such as ChatGPT, and how it can be used to generate text. Demonstrate how to write and input a prompt into the chatbot interface.

**Choosing a Topic:** Ask each participant to choose a topic for their case study. This should be something relevant to their subject area and something they believe their students would benefit from exploring in more depth. Provide guidance on how to choose a suitable topic, such as considering the curriculum, the interests of the students, the real-world applications of the topic, and how it might link to building industry skills.

**Generating the Case Study Background:** Show participants how to use ChatGPT (or equivalent) to generate a background for their case study. To do this, they can input a prompt like *'Generate a background for a case study on [include topic here]'.* Demonstrate how to do this, and then give them time to do it themselves. Once the chatbot generates the text, show them how to select, copy, and paste the text into their word processing software. Encourage exploration of prompt writing.

**Generating the Case Study Problem:** Next, participants should use a chatbot to generate a problem or challenge related to the case study topic. They can input a prompt like *'Generate a problem or challenge related to [include topic here] for a case study'*. Again, demonstrate how to do this, and allow time for participants to have a go at achieving this task.

**Generating the Case Study Questions:** Participants should then use the chatbot to generate a series of questions for students to answer as part of the case study experience. They can input a prompt like *'Generate a series of questions for students to answer about the problem or challenge related to [include topic here] in a case study'*. Demonstrate how to do this, and then provide time for participants to have a go.

**Review and Revision:** Once the background, problem, and questions have been generated, educators should be encouraged to review and revise the generated text and revise as necessary. The generated text can be cut and pasted into a word processing software (e.g., Word) for editing. Participants can be encouraged to use the chatbot to generate/edit text as required. Provide guidance on reviewing and revising the case study, such as checking for clarity, relevance, and engagement.

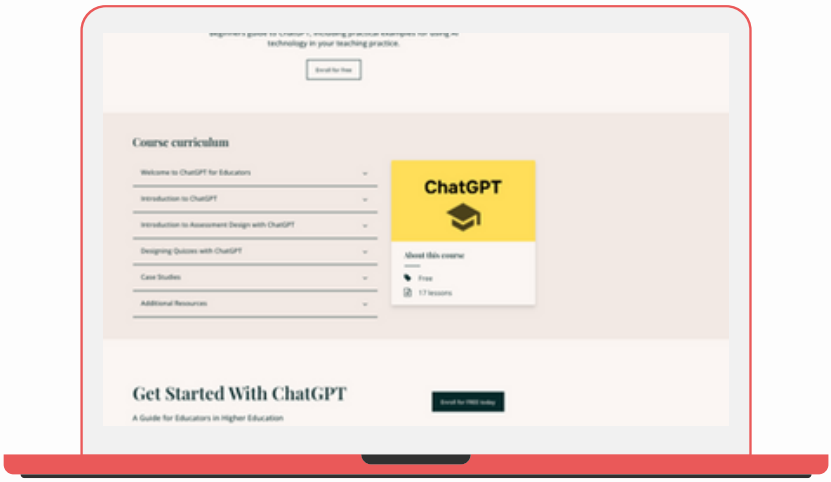
**Sharing and Discussion:** Invite participants to share their case studies and discuss them as a group. This will provide an opportunity for peer learning and improvement.

*Note:* This lesson is designed to be interactive and hands-on. Encourage participants to be creative. They should also be encouraged to tailor the generated text to their student and classroom needs and contexts.

## EXPLORE FURTHER

### Suggested Projects:

- **Project: Lesson Plans**
- **Project: Quizzes**
- **Project: Video / Document Summaries**
- **Project: Books / Zines**
- **Project: AI-generated Podcast**
- **Project: AI-generated Lectures and Videos**




**FREE Online Course**

**Includes instructions for creating:**

- **Lesson plans**
- **Rubrics**
- **Case studies**
- **and more!**

~30 minutes to complete!

The course was made using AI-generated video, audio, and content, so you'll learn about ChatGPT while also seeing what's possible to create with AI.

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# Dr Bron Eager

**Globally recognised for achieving impact through AI and digital skills training for the higher education community.**

- Provided training to 1000+ academic researchers and educators from 50+ Universities around the world.
- Invited speaker and presenter at the Quality Assurance Agency for Higher Education (QAA) events.
- Creator of educational resources for enhancing AI literacy, adopted globally by Universities as recommended training materials for upskilling staff to navigate the new world of AI-embedded academic work.
- Author of ‘Academic Writing AI Prompts Phrasebook’.
- Awarded University Innovation Medal for digital pedagogy initiatives at her home institution, the University of Tasmania.
- Senior Lecturer in the College of Business and Economics, University of Tasmania, Australia.
- Scholarly Practitioner, with multi-disciplinary research interests spanning digital skills development, entrepreneurship, gender studies, and the scholarship of teaching and learning.
- Excellence in teaching, focusing on applied practice-based pedagogy.
- PhD (mixed-methods, business and psychology).
- Master of Entrepreneurship & Innovation (MEI).
- Graduate Certificate in Learning & Teaching (Higher Education).
- Certificate IV Training and Assessment.

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# Enquiries

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