# Teaching to Learn

## UNESCO Perspective

Sustainable

## General Use Bucket

Feynman Technique

## Goal

The Feynman Technique is a learning strategy that involves teaching a concept in simple, clear language as if explaining it to someone unfamiliar with the topic. By breaking down complex ideas into plain terms, learners identify gaps in their understanding and reinforce their knowledge through active reflection and simplification.

## Tool Used

Copilot

Here's a breakdown of the technique:

1. Choose a Concept: Select the topic or concept you want to learn and understand deeply.
2. Explain in Simple Terms: Write down everything you know about the concept, as if you were teaching it to someone with no prior knowledge.
3. Identify Knowledge Gaps: As you explain, you'll likely identify areas where your understanding is weak or incomplete.
4. Fill the Gaps: Go back to your source material (textbooks, lectures, etc.) and re-learn the areas where you had gaps in your understanding.
5. Simplify and Refine: Once you've filled in the gaps, re-explain the concept in even simpler terms, using analogies or examples to make it easier to grasp.

In this situation one asks AI to tutor a student on a topic in order to deepen the student's understanding of that material. The student begins with basic information about the topic, and the AI asks the students questions. The students type in the replies to the AI generated questions, and receive detail in addition to what they typed, as well as feedback on their own answers.

## Final Product

I started with this prompt:

“I would like to study for a test on Judaism, using [World Religion: the Spirit Searching/Judaism](https://mlpp.pressbooks.pub/worldreligionsthespiritsearching/chapter/judaism/) as a source. I would like you to work as a tutor, generating appropriate questions for me to respond to, and giving me additional detail and feedback when I have answered these.”

Copilot responded by generating these questions for me to answer.

1. What is the primary Scripture for Judaism, and what are its main parts?
2. Who is considered the Patriarch in Judaism and why is he important?
3. What is the covenant that God establishes with Abraham and why is it important?
4. What is the significance of Exodus in Jewish history?
5. How did the 10 Commandments impact the identity of the Israelites?

These are pretty good questions. So I answered them with 2-3 sentences each. When I was correct, it affirmed that I was correct but also filled in with more detail added to my answers. I intentionally answered #4 wrong, as my students often mix up the Exodus and the Exile in the Hebrew story, and Copilot got it right, and was thoughtful in explaining the differences between the two, using dates, geography, and other detail to clarify.

This process is a fairly simple one and works especially well if you provide the original learning materials for Copilot to use. In this case, giving it a chapter of a text allowed the AI to create solid questions for the student to answer. One could use library materials, publisher materials, or OER materials to submit to AI in order to get questions for student reflection and tutoring. I might have added a few more questions to these, but none of the questions provided were inappropriate, and the added information after I answered them was accurate and helpful.