



# The Birds and Bees of AI

<https://www.teachingentrepreneurship.org/generating-ai-answers/>


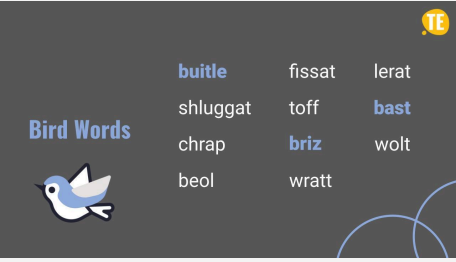
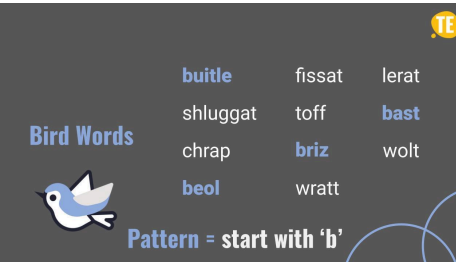
Length: 30 - 45 minutes

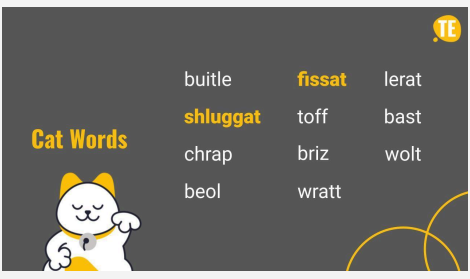
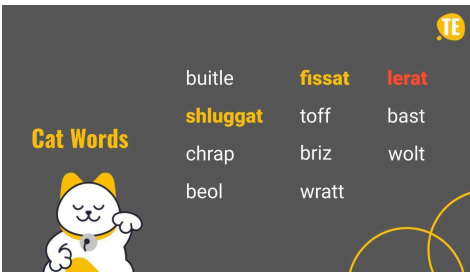


<b>Essential Question:</b> <i>Where do AI answers come from?</i>	<b>Objective:</b> Students will learn how AI really works
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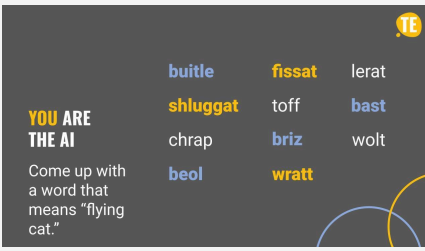
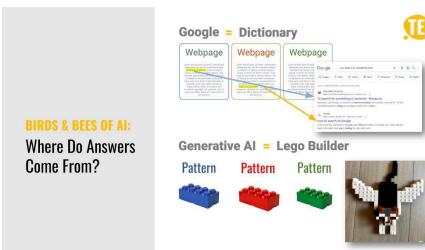
## Before Class

Step	Details
<b>Watch the Demo Video</b>	<a href="#">This video</a> will walk through the slides as you would with your students
<b>Download the Slides</b>	<a href="#">Here</a> are slides for this exercise

# During Class

Step	Details	Resources
<p><b>A brand new language for AI answers</b></p>	<p>Show them a list of words and their job is to figure out</p> <ul style="list-style-type: none"> <li>• Which words refer to birds</li> <li>• Which words refers to cats and</li> <li>• Which words refer to neither</li> </ul> <p>Present this list of words to your students and ask which ones are the bird words.</p>	
<p><b>Bird words</b></p>	<p>After the awkward silence subsides, give your students some bird words and ask them to observe what's happening in their brain as you show these bird words.</p> <p>Show the first bird word in this new language: Briz. Show the second bird word: Buitle. Show the third bird word: Bast.</p>	
<p><b>Pattern Recognition</b></p>	<p>Ask students to identify the final bird word.</p>	

<p><b>Cat words</b></p>	<p>Give students some cat words and ask them to observe what's happening in their brain as you show these cat words.</p> <p>Show the first cat word in this new language: Schluggat. Show the second cat word: Fissat.</p>	
<p><b>Wrong pattern recognition</b></p>	<p>Most students will identify “lerat” as the last cat word.</p> <p>Discuss assumptions &amp; being overly-aggressive in pattern recognition</p>	
<p><b>Pattern recognition story</b></p>	<p>Explain story of researchers training AI to identify malignant moles through images. Because all malignant moles had a ruler in the image, the AI concluded that rulers cause cancer.</p> <p>Reinforce the danger of making overly-aggressive conclusions in pattern recognition</p>	
<p><b>Cat word wrap-up</b></p>	<p>Ask students to again identify the last cat word. Most will now think about the pattern of double letters &amp; end with “at” sound, and identify wratt</p>	

<p><b>A brand new language</b></p>	<p>Students now need to come up with a word that means “flying cat”</p>	
<p><b>Compare AI &amp; Google</b></p>	<p>Google = dictionary; it retrieves information and provides it</p> <p>AI builds a database of these patterns, and uses those patterns to generate brand new content that has never before been created</p>	
<p><b>A brand new word with pattern recognition</b></p>	<p>Remind students that</p> <ul style="list-style-type: none"> <li>• Things that fly are birds, and bird words start with a "b"</li> <li>• A cat word needs to contain double letters and end with an "at" sound</li> </ul> <p>Tell them to combine these patterns and generate a brand new word from them.</p>	

## Entrepreneurship Curriculum with AI

[ExEC](#) is a comprehensive, structured curriculum that uses AI to engage students.

More lesson plans at [TeachingEntrepreneurship.org](https://TeachingEntrepreneurship.org) ©



# Experiential Entrepreneurship Curriculum

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- 1 30+ engaging exercises
- 2 Flexibility (pick modules, online/in-person, etc.)
- 3 LMS integration (Canvas, D2L, Blackboard, Moodle)
- 4 Attendance tracking
- 5 Virtual TA (AI assessment)
- 6 Less \$ than textbook