

# DEBATE AN AI



LESSONS WORKSHEETS AI PROMPTS

**DEBATE AN AI: LESSON SEQUENCE**

**Learning Intentions:**

- Understand the role and impact of AI in various contexts.
- Develop critical thinking and persuasive communication skills through engaging in debates.
- Reflect on personal growth and areas for improvement in debating abilities.

**Success Criteria:**

- Identify and discuss the implications of AI in different areas of life.
- Formulate persuasive arguments supported by evidence.
- Engage in respectful and constructive debates with AI.

**Lesson 1: Introduction**

**Engage and Explore (5 minutes):**

- Initiate a discussion to gauge students' understanding of AI and encourage them to share any relevant experiences or examples.
- Emphasize the significance of debates in fostering critical thinking and communication skills.

**Resource Introduction (10 minutes):**

- Provide an overview of the "Debate an AI" resource, highlighting its components, such as the debating topics sheet, planning activities, recording templates, and reflection sheet.
- Explain how the resource integrates AI into debates to deepen understanding of AI-related topics.

**Learning Intentions and Success Criteria (5 minutes):**

- Share the learning intentions and success criteria with students, emphasizing the skills they will develop throughout the lesson.

**Topic Exploration (15 minutes):**

- Distribute the Debating Topic Selection Sheet, encouraging students to choose a topic of interest.
- Facilitate a class discussion where students share their thoughts, opinions, and initial arguments related to the selected topics.

**Model Debate (15 minutes):**

**Lesson 2: Debate**

**Review learning success criteria:**

- Recap the learning success criteria from the previous lesson with students over the day.

**Planning Activities:**

- Provide students with time to plan their arguments, encouraging them to think about the effectiveness of their points.

**Introduction to ChatGPT:**

- Introduce students to the AI chatbot, ChatGPT, and explain how it will be used in the debate.

**DEBATE AN AI THE DEBATE!**

**TYPE INTO THE AI:**

AI, let's debate the following topic: [insert debate topic here]. You will argue in favor of [choose a specific stance or side], and I will argue against it. Let's engage in a respectful and thought-provoking debate.

As you engage in the debate with the AI, record the responses generated by the AI in the space provided below.

**AI RESPONSE 1**

**AI RESPONSE 2**

**DEBATE TOPIC SELECTION SHEET**

Choose a debate topic from the list below and record your perspective.

Consider the potential arguments and select the topic that interests you the most in the space provided.

- AI-powered uniform policies?
- AI in food production? More beneficial than harmful?
- AI in agriculture? Will be widely used in food production?
- AI in education? AI-powered tutoring and medical advancements?
- AI in entertainment? AI-powered movies and games?
- AI in transportation? Self-driving cars powered to 16?
- AI in healthcare? AI-powered diagnosis and treatment?
- AI in social media? AI-powered recommendations and filters?
- AI in finance? AI-powered investment and trading?
- AI in manufacturing? AI-powered production and automation?
- AI in space exploration? AI-powered rovers and spacecraft?
- AI in art and music? AI-generated art and music?
- AI in law and ethics? AI-powered legal analysis and decision-making?
- AI in sports? AI-powered athletes and performance analysis?
- AI in environmental science? AI-powered climate modeling and resource management?
- AI in cybersecurity? AI-powered threat detection and prevention?
- AI in customer service? AI-powered chatbots and virtual assistants?
- AI in agriculture? AI-powered crop monitoring and yield optimization?
- AI in energy production? AI-powered smart grids and energy management?
- AI in urban planning? AI-powered traffic management and infrastructure optimization?
- AI in disaster response? AI-powered search and rescue operations?
- AI in space exploration? AI-powered rovers and spacecraft?
- AI in education? AI-powered tutoring and personalized learning?
- AI in healthcare? AI-powered diagnosis and treatment?
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- AI in customer service? AI-powered chatbots and virtual assistants?
- AI in agriculture? AI-powered crop monitoring and yield optimization?
- AI in energy production? AI-powered smart grids and energy management?
- AI in urban planning? AI-powered traffic management and infrastructure optimization?
- AI in disaster response? AI-powered search and rescue operations?

be explored for this topic:

# DEBATE AN AI

We are thrilled to introduce "Debate an AI," an engaging and interactive resource designed to enhance critical thinking and communication skills in your students. This resource offers a unique opportunity for students to delve into the world of artificial intelligence (AI) through debates with ChatGPT, an advanced AI language model.

"Debate an AI" provides a comprehensive set of differentiated materials to support your teaching of debates while integrating the fascinating realm of AI. With this resource, your students will have the chance to select a debating topic, plan their arguments, engage in a debate with ChatGPT, and reflect on their experiences.

Through this process, students will strengthen their ability to formulate persuasive arguments, listen actively, and respond thoughtfully. The inclusion of AI in the debate experience adds an exciting and cutting-edge element, exposing students to the ever-evolving world of technology and its implications.

## CONTENTS

- **Lesson Sequence:** Suggested lesson sequence for the resources, including learning intentions, success criteria and individual lesson plans.
- **Teacher Guide:** Provides guidance and tips for educators on effectively using AI with children in the "Debate an AI" resource, promoting safe and engaging experiences while fostering critical thinking and responsible digital citizenship.
- **Debating Topics Sheet:** A collection of carefully crafted AI-related debating topics, designed to spark lively discussions and encourage critical thinking. There are two differentiated versions included, to support a variety of year levels.
- **Planning:** Worksheets that guide students in structuring their arguments, analyzing counterarguments, and organizing their thoughts effectively. This includes 3 argument and 4 argument versions.
- **Record Your AI Debate:** Templates for students to record their debate sessions with ChatGPT, providing an opportunity for reflection and analysis.
- **Reflection Sheet:** A worksheet that prompts students to reflect on their debate experience, evaluate their performance, and identify areas for improvement.

# DEBATE AN AI : LESSON SEQUENCE

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## Success Criteria:

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- Formulate persuasive arguments supported by evidence.
- Engage in respectful and constructive debates with peers and AI.
- Reflect on their performance and identify areas for improvement.

## Lesson 1: Introduction

### Engage and Explore (5 minutes):

- Initiate a discussion to gauge students' understanding of AI and encourage them to share any relevant experiences or examples.
- Emphasize the significance of debates in fostering critical thinking and communication skills.

### Resource Introduction (10 minutes):

- Provide an overview of the "Debate an AI" resource, highlighting its components, such as the debating topics sheet, planning activities, recording templates, and reflection sheet.
- Explain how the resource integrates AI into debates to deepen understanding of AI-related topics.

### Learning Intentions and Success Criteria (5 minutes):

- Share the learning intentions and success criteria with students, emphasizing the skills they will develop throughout the lesson.

### Topic Exploration (15 minutes):

- Distribute the Debating Topic Selection Sheet, encouraging students to choose a topic of interest.
- Facilitate a class discussion where students share their thoughts, opinions, and initial arguments related to the selected topics.

### Model Debate (15 minutes):

- Select one of the AI-related topics and conduct a model debate with a student or colleague.
- Demonstrate effective argumentation, use of evidence, and respectful listening and responding techniques.

### Choosing Debate Topic (20 minutes):

- Provide students with time to select a debate topic they would like to explore. Give students time to plan out some questions.

## Lesson 2: Debate an AI

This could be run over two sessions.

### Review learning intentions and success criteria (5 minutes):

- Recap the learning intentions and success criteria from the previous lesson to ensure students understand the goals for the day.

### Planning Activities (20 minutes):

- Provide students with the Planning worksheets, guiding them through the process of organizing their arguments, analyzing counterarguments, and effectively structuring their thoughts.

### Introduction to AI debate with ChatGPT (10 minutes):

- Introduce the concept of AI debate by explaining how ChatGPT can be used as an AI opponent.
- Discuss the unique benefits and considerations of debating with AI.
- Explore the Debate Guidelines resource.

### Record your AI debate (40 minutes):

- Provide students with the Record Your AI Debate templates.
- Instruct them to engage in a debate with ChatGPT while recording their interactions and the AI's responses.

## Lesson 3: Reflection

### Reflection and Analysis (15-20 minutes):

- Have students individually complete the Reflection Sheet, reflecting on their AI debate experiences.
- Encourage them to evaluate their performance, identify strengths and areas for improvement, and set personal goals for future debates.

### Whole-Class Discussion (10-15 minutes):

- Facilitate a class discussion where students share their reflections and insights from the Reflection Sheet.
- Encourage them to discuss effective strategies, lessons learned, and their overall growth in critical thinking and communication skills.

### Conclusion:

In conclusion, students engage in personal reflection, receive peer feedback, and participate in a whole-class discussion to deepen their understanding and reflection on their AI debate experiences.

This reflective process allows students to assess their performance, set goals, and gain valuable insights from their peers. By promoting thoughtful reflection and open dialogue, students enhance their critical thinking skills and become more proficient in engaging with AI in debates.

# DEBATE AN AI : TEACHER GUIDE

Introduction: Integrating AI into educational experiences can be an exciting opportunity for teachers and students. Here are some key tips to ensure a safe and supportive environment when using AI with children in the "Debate an AI" resource:

## **Establish Clear Guidelines:**

- Set clear guidelines for respectful and appropriate interactions with AI.
- Reinforce ethical considerations such as not sharing personal information or engaging in harmful conversations.

## **Supervise and Monitor:**

- Ensure a teacher or adult is present to supervise and monitor interactions with AI.
- Regularly check the content and quality of debates to ensure they align with learning objectives and remain respectful.

## **Foster Digital Citizenship:**

- Discuss digital citizenship and responsible online behavior with students.
- Discuss and explore digital footprints, online privacy, and appropriate online communication.

## **Emphasize AI as a Tool:**

- Remind students that AI is a tool to support learning, not a replacement for human interaction or critical thinking skills.
- Encourage them to view AI as a resource that can broaden their perspectives and enhance their argumentation skills.

## **Promote Active Engagement:**

- Encourage students to actively participate in debates with AI, listening carefully to responses and formulating thoughtful counterarguments.
- Emphasize the importance of respectful and constructive dialogue.

## **Provide Reflection and Support:**

- Allocate time for reflection after AI debates, allowing students to evaluate their performance and set personal goals.
- Offer support and guidance to students as they navigate AI debates, addressing any concerns or questions they may have.

## **Cultivate Critical Thinking:**

- Promote critical thinking by encouraging students to question AI responses, analyze biases, and evaluate information credibility.
- Teach them to differentiate between human and AI responses, understanding the limitations and capabilities of AI.

## **Open Communication Channels:**

- Maintain open lines of communication with students, encouraging them to ask questions, express concerns, or share experiences.
- Create a safe and inclusive environment where students feel comfortable discussing their thoughts and feelings.

By following these tips, you can create a positive and productive learning environment when using AI in the "Debate an AI" resource. Through responsible usage and thoughtful support, students can develop critical thinking skills while engaging with AI in a meaningful way.

# DEBATE TOPIC SELECTION SHEET

Choose a debate topic from the list below. Consider the potential arguments and perspectives that can be explored for each topic. Select the topic that interests you the most and write it in the space provided.

- Should robots help with chores at home?
- Is it good to use AI helpers for homework?
- Should AI be used in classrooms?
- Is it okay to use AI for grading assignments?
- Should robots create artwork?
- Are self-driving cars safe?
- Is it helpful to talk to AI chatbots?
- Should AI be used in sports?
- Is it good for AI to personalize learning?
- Can AI be a pet or friend?

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**Explain why you choose the topic:**

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**Consider the potential arguments or perspectives that can be explored for this topic:**

- 1.
- 2.
- 3.
- 4.
- 5.

# DEBATE TOPIC SELECTION SHEET

Choose a debate topic from the list below. Consider the potential arguments and perspectives that can be explored for each topic. Select the topic that interests you the most and write it in the space provided.

Should schools have mandatory uniform policies?

Is social media more harmful than beneficial?

Should genetically modified organisms (GMOs) be widely used in food production?

Is animal testing necessary for scientific and medical advancements?

Should the voting age be lowered to 16?

Should the use of smartphones be banned in schools?

Is climate change primarily caused by human activities?

Is space exploration worth the financial investment?

Is online learning more effective than traditional classroom learning?

Should professional athletes be role models for young people?

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**Explain why you choose the topic:**

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**Consider the potential arguments or perspectives that can be explored for this topic:**

1.

2.

3.

4.

5.

# DEBATE GUIDELINES

Before engaging in a debate with an AI, it is essential to establish guidelines for a productive and meaningful discussion. Familiarize yourself with the following guidelines to ensure a successful debate with the AI system.

## 1. Respectful Interaction:

- Treat the AI system with respect, even though it is an artificial intelligence.
- Use polite language and avoid derogatory or offensive remarks.

## 1. Clear and Concise Questions:

- Frame your questions in a clear and concise manner to elicit informative responses from the AI.
- Avoid vague or ambiguous questions that may lead to unclear or irrelevant answers.

## 1. Analyze AI Responses:

- Carefully consider the responses provided by the AI system.
- Evaluate the relevance and accuracy of the AI-generated answers and arguments.

## 1. Critical Thinking and Evaluation:

- Apply critical thinking skills to assess the validity and logical coherence of the AI's arguments.
- Examine the underlying assumptions and evidence used by the AI system.

## 1. Challenge and Probe:

- Don't hesitate to challenge the AI's responses and arguments when necessary.
- Ask follow-up questions to probe deeper into the AI-generated answers and explore different perspectives.

## 1. Ethical Considerations:

- Recognize the limitations of the AI system and its potential biases.
- Reflect on the ethical implications of using AI for debates and consider the broader societal impact.

## 1. Engage in Reflective Discussion:

- Encourage dialogue among peers about their experiences with the AI system.
- Share insights, observations, and personal reflections on the AI-generated arguments.

# DEBATE AN AI PLANNING

Before engaging in a debate with an AI, plan out your arguments and supporting ideas.

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**Argument 1** include the main idea, supporting evidence and potential counter arguments

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**Argument 2** include the main idea, supporting evidence and potential counter arguments

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**Argument 3** include the main idea, supporting evidence and potential counter arguments



# DEBATE AN AI THE DEBATE!



## TYPE INTO THE AI:

AI, let's debate the following topic: [insert debate topic here]. You will argue in favor of [choose a specific stance or side], and I will argue against it. Let's engage in a respectful and thought-provoking debate.

**As you engage in the debate with the AI, record the responses generated by the AI in the space provided below.**

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**AI RESPONSE 1**

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**AI RESPONSE 2**

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**AI RESPONSE 3**

# DEBATE AN AI PLANNING

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**Argument 4** include the main idea, supporting evidence and potential counter arguments

# DEBATE AN AI THE DEBATE!



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**As you engage in the debate with the AI, record the responses generated by the AI in the space provided below.**

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**AI RESPONSE 1**

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**AI RESPONSE 2**

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**AI RESPONSE 3**

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**AI RESPONSE 4**

# DEBATE AN AI REFLECTION

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**BEFORE THE DEBATE:** Describe your initial thoughts and feelings before the debate. Did you feel confident or nervous? Why? What were your expectations for the debate?

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**CHALLENGE:** What were the most challenging aspects of debating the AI? Did you encounter any unexpected counterarguments from the AI? How did you adapt your arguments in response?

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**PERFORMANCE:** Evaluate your overall performance: How well do you think you presented your arguments? Did you effectively address the AI's responses?

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**STRENGTH:** Identify one strength in your debating skills.

**IMPROVEMENT:** Identify one area for improvement in your debating skills.

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**CHANGE:** If you were to participate in another debate with the AI, what would you do differently? Why?