Reading Boost

Encourage reading. Individualize reading comprehension.

Introduction

Purpose

The fundamental act of reading is essential in today's knowledge society.

Reading is not just about decoding words. Reading requires understanding vocabulary in context, analyzing structure, inferring meaning, and synthesizing information—complex skills that many struggle with.

The time is now to eliminate the gap between the critical importance of reading comprehension in our society and the challenges that individuals encounter in their reading journeys.

Description

Goal: Deliver a thoughtful, AI-empowered approach to significantly enhance how billions of people read, learn, and access information.

In May 2023, Anthropic expanded Claude's context window from 9K to 100K tokens. There are many opportunities for using this capability! Let's start with reading!

"Reading Boost," is an AI-empowered process that individualizes reading comprehension for students, educators, professionals, and individuals with reading or learning difficulties. The process has four steps – plan, implement, review, and improve. AI's role is to augment each step, maintain metacognitive knowledge, and produce counterfactual strategies to improve reading tasks.

Functions:

- 25 reading comprehension tasks
    - Our current design enhances two of twenty-five reading tasks, "summarizing and "identifying the main idea and supporting details"
- AI-augmented individualization factors:
    - Purpose of reading
        - Information Retrieval
        - Interpretation/Reflection
        - Critical Analysis
    - Reading skill level
        - Foundational skills underlie all reading.
        - Basic skills focus on understanding content and structure.
        - Advanced skills involve analysis and interpretation.
    - Cognitive process: Informed by Bloom's Taxonomy, these progress from recognizing information to using higher-order thinking.
        - Remembering/Understanding
        - Applying/Analyzing
        - Evaluating/Creating
    - Potential for AI Augmentation: Based on its abilities, AI can enhance some tasks more than others.
        - High
        - Medium
        - Low
- Reading Boost can be implemented on a large language model using the system's console or API.

Individualization factors

Here is the current list of individualization factors.

Reading comprehension skill level	Foundational Skills	The basic skills that underpin reading comprehension

	Basic Comprehension Skills	Skills involve understanding the text's main messages and structure
	Advanced Comprehension Skills	Skills involve deeper analysis and interpretation of the text
Cognitive processing This categorization is based on Bloom's Taxonomy, a widely used model in education that classifies cognitive skills from basic to advanced	Remembering and Understanding	Recalling information and grasping meanings
	Applying and Analyzing	Using information in new ways and breaking down information
	Evaluating and Creating	Forming judgments and creating new ideas
Purpose of reading	Information Retrieval	Locating or recalling specific information
	Interpretation and Reflection	Making sense of the information and relating it to one's own knowledge or experiences
	Critical Analysis	Making judgments, evaluating arguments, and creating new ideas
AI augmentation potential	Low potential for AI augmentation	
	Medium potential for AI augmentation	
	High potential for AI augmentation	

Reading tasks

Here is the current list of reading tasks.

Summarizing

1. Summarizing: Condensing the information in a passage to a brief overview.

    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Information Retrieval
    d. High AI Augmentation
        i. Rationale: AI has been successful in generating accurate and concise summaries of larger text bodies.

Identifying the main idea and supporting details

2. Identifying the Main Idea and Supporting Details: Determining the central point and details that support it.
    a. Basic Comprehension Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. Medium AI Augmentation
        i. Rationale: While AI can detect keywords and patterns, subtle nuances may be missed.

Understanding vocabulary in context

3. Understanding Vocabulary in Context: Determining the meaning of words or phrases based on how they're used in the text.
    a. Foundational Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. High AI Augmentation
        i. Rationale: AI can quickly access large databases of vocabulary and understand context from trained models.

Decoding

4. Decoding: Interpreting written language, a fundamental step in reading.
    a. Foundational Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. High AI Augmentation

        i. Rationale: AI is well-equipped to convert written language into a format that can be understood.

Fluency

5. Fluency: Reading text accurately, quickly, and with proper expression.
    a. Foundational Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. Medium AI Augmentation
        i. Rationale: AI can improve reading speed and accuracy but can't yet fully replicate human prosody and expression.

Understanding text features

6. Understanding Text Features: Grasping the function of headers, bullet points, bold or italic text, and other text features.
    a. Foundational Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. High AI Augmentation
        i. Rationale: AI can identify and explain various text features easily.

Identifying text structure

7. Identifying Text Structure: Understanding the organization of the text, such as cause-effect, problem-solution, compare-contrast etc.
    a. Basic Comprehension Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. Medium AI Augmentation
        i. Rationale: AI can detect certain structures based on patterns, but some complex structures may pose a challenge.

Sequencing

8. Sequencing: Putting events or steps in the order they occurred or should occur.
    a. Basic Comprehension Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. High AI Augmentation
        i. Rationale: AI can sequence events based on time expressions and logical connectors in the text.

Understanding genre conventions

9. Understanding Genre Conventions: Grasping the typical features and structure of different types of expository texts.
    a. Basic Comprehension Skills
    b. Remembering and Understanding
    c. Information Retrieval
    d. Low AI Augmentation
        i. Rationale: While AI can be trained to recognize certain genre conventions, subtleties may be difficult to identify.

Comparing

10. Comparing: Identifying similarities and differences between two or more texts or within one text.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can detect similarities and differences based on patterns and keywords but may miss subtle nuances.

Inferring

11. Inferring: Making educated guesses based on the given information.
    a. Advanced Comprehension Skills

    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Low AI Augmentation
        i. Rationale: AI may struggle with inferences that require understanding beyond the explicit text.

Drawing conclusions

12. Drawing Conclusions: Making a judgment or decision based on the information provided.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can draw conclusions based on explicit information, but subtler or more complex conclusions may pose a challenge.

Self-questioning

13. Self-questioning: Formulating questions about the text while reading to enhance understanding.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Low AI Augmentation
        i. Rationale: AI currently lacks the self-awareness required to ask questions about its own understanding.

Problem-solving

14. Problem-solving: Identifying and resolving challenges or obstacles within the text.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can help identify and suggest solutions to explicit problems but may struggle with more complex or abstract issues.

Interpreting graphics and tables

15. Interpreting Graphics and Tables: Understanding information presented in a non-textual format.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Information Retrieval
    d. High AI Augmentation
        i. Rationale: AI technologies like computer vision can interpret information from non-textual formats.

Analyzing cause and effect

16. Analyzing Cause and Effect: Determining the relationship between different events or concepts in the text.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can identify explicit cause-and-effect relationships but might miss implicit or complex ones.

Relating background knowledge

17. Relating Background Knowledge: Connecting the information in the text to personal knowledge or experience.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Low AI Augmentation
        i. Rationale: AI lacks personal experiences and context, limiting its ability to make connections to background knowledge.

Distinguishing between fact and opinion

18. Distinguishing between Fact and Opinion: Identifying statements as either verifiable facts or personal opinions.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can be trained to recognize certain patterns of fact and opinion, but subtleties may escape it.

Identifying author's purpose and point of view

19. Identifying Author's Purpose and Point of View: Understanding the reason the text was written and the perspective from which it's written.
    a. Advanced Comprehension Skills
    b. Applying and Analyzing
    c. Interpretation and Reflection
    d. Low AI Augmentation
        i. Rationale: Understanding author's intent and perspective can be complex and may be challenging for AI.

Evaluating arguments and evidence

20. Evaluating Arguments and Evidence: Assessing the validity and strength of claims and their supporting evidence.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating
    c. Critical Analysis
    d. Low AI Augmentation
        i. Rationale: AI might struggle with critically evaluating the quality of arguments and evidence.

Making predictions

21. Making Predictions: Anticipating future events or outcomes based on information in the text.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating

c. Interpretation and Reflection
d. Low AI Augmentation
    i. Rationale: Predicting future events requires a deep understanding of the context, which AI might find challenging.

Identifying tone and mood

22. Identifying Tone and Mood: Recognizing the author's attitude or the emotional atmosphere of the text.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating
    c. Interpretation and Reflection
    d. Medium AI Augmentation
        i. Rationale: AI can identify tone and mood based on trained sentiment analysis models, but nuanced emotional atmospheres may pose a challenge.

Synthesizing

23. Synthesizing: Combining information from multiple sources or parts of a text to form a new understanding.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating
    c. Critical Analysis
    d. Medium AI Augmentation
        i. Rationale: AI can combine information from various sources but the resulting synthesis might lack human-like understanding or insight.

Making connections

24. Making Connections: Linking ideas within the text or between different texts.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating
    c. Interpretation and Reflection
    d. Low AI Augmentation
        i. Rationale: While AI can make direct connections based on patterns and keywords, it may struggle with deeper, less obvious connections.

Identifying biases or assumptions

25. Identifying Biases or Assumptions: Recognizing unstated beliefs or values that underlie the text.
    a. Advanced Comprehension Skills
    b. Evaluating and Creating
    c. Critical Analysis
    d. Low AI Augmentation
        i. Rationale: Recognizing underlying biases or assumptions requires a complex understanding of societal and cultural contexts, which AI may find difficult.

Draft prompts

High AI augmentation

1. Summarizing

Python command to produce a summary
python3 "./Desktop/try this.txt" "./Desktop/_____.txt" "./Desktop/_____ output.txt"

1. Change the contents of the text (input) file 2. The text file begins with two lines 3. Human: <enter the prompt here> 4. Add the content below the prompt 5. End the text file with Assistant:
Prompt
Human: Claude, I'm about to share with you a substantial piece of content. The content is _____ This content requires careful examination and interpretation. Your task is to summarize the content. Your task includes: Read and comprehend the text in its entirety, paying close attention to the nuances and underlying themes. Remember, the quality of your summary will be directly proportional to the depth of your comprehension.

Distill the main ideas and essential supporting details from the text. These elements form the crux of your summary. Keep an eye out for elements that serve as cornerstones for the author's argument or narrative.
Identify the underlying purpose or goal of the text. Is it to inform, persuade, describe, or tell a story? This purpose will guide how you frame your summary and which elements you give prominence to.
Craft a precise, succinct summary that encapsulates the key points of the text. This summary should mirror the original text in terms of its central message but be considerably shorter in length.
Self-evaluate your summary. Ensure it embodies the spirit of the original text and preserves its neutrality. Ask yourself: If someone had only your summary to go on, would they grasp the fundamental essence of the original content?
In essence, your task is to condense the material into its most essential form without losing the core message or context. Strive for brevity without sacrificing clarity or substance.
… <content>
Assistant:

2. Decoding: "AI, can you decode this passage into plain language?"
3. Understanding Text Features: "AI, what text features are present in this passage and what are their functions?"
4. Understanding Vocabulary in Context: "AI, can you define the vocabulary in this passage and explain how it's used in context?"
5. Sequencing: "AI, can you put the events in this passage in chronological order?"
6. Interpreting Graphics and Tables: "AI, can you interpret and explain the information presented in this graphic/table?"

Medium AI augmentation

7. Identifying the Main Idea and Supporting Details: "AI, what is the main idea of this passage, and what details support it?"

Python command to identify the main idea and supporting details

python3 "./Desktop/try this.txt" "./Desktop/_____.txt" "./Desktop/_____ output.txt"

1. Change the contents of the text (input) file
2. The text file begins with two lines
3. Human: <enter the prompt here>
4. Add the content below prompt
5. End the text file with “Assistant:”

Prompt

Human: Claude, I'm about to share with you a substantial piece of content.

Assistant, in order to better comprehend and utilize your analytical capabilities, I'm going to present you with a substantial piece of content. Your responsibilities will be to:
Extract the core or the main idea from the text. This should encapsulate the primary message or point the author is attempting to convey.
Differentiate between the overarching topics and the main ideas in the text. Highlight how they are distinct from one another, and describe the role each plays within the context of the text.
Identify the supporting details within the text that fortify the main idea. Explain how these details either directly or indirectly bolster the understanding of the main idea.
Based on the text analysis, provide insights into how these practices – correctly identifying the main idea, distinguishing between topics and main ideas, and recognizing supporting details – can contribute to enhancing overall reading comprehension.
Remember, your analysis should be thorough and nuanced, reflecting the depth and complexity of the content provided.
<content>
…
Assitant

8. Fluency: "AI, can you read this passage out loud?"
9. Identifying Text Structure: "AI, what is the structure of this text and how does it support the message?"
10. Comparing: "AI, how does this text compare with another text?"
11. Drawing Conclusions: "AI, based on this text, what conclusions can we draw?"
12. Problem-solving: "AI, are there any problems identified in this text? If so, what are some potential solutions?"
13. Analyzing Cause and Effect: "AI, what cause and effect relationships can be found in this text?"
14. Distinguishing between Fact and Opinion: "AI, can you distinguish between fact and opinion in this text?"
15. Identifying Tone and Mood: "AI, what tone and mood can you identify in this text?"
16. Synthesizing: "AI, can you synthesize the information from this text and another text?"

Low AI augmentation

17. Understanding Genre Conventions: "AI, what genre does this text fall under and what are its specific conventions?"
18. Inferring: "AI, what inferences can be made based on this text?"
19. Self-questioning: "AI, if you were to question your understanding of the text, what would you ask?"
20. Relating Background Knowledge: "AI, what background knowledge might be useful to understand this text?"
21. Identifying Author's Purpose and Point of View: "AI, can you identify the author's purpose and point of view in this text?"
22. Evaluating Arguments and Evidence: "AI, can you evaluate the arguments and evidence presented in this text?"

23. Making Predictions: "AI, based on this text, what predictions can we make?"
24. Making Connections: "AI, what connections can be made within this text or between this text and another text?"
25. Identifying Biases or Assumptions: "AI, can you identify any biases or assumptions present in this text?"

A presentation about Reading Boost

If you'd like a presentation, then please go to Claude's console and copy and paste this prompt:

Console prompt to produce a presentation

Hello, I'm interested in learning more about Reading Boost. Could you provide an in-depth overview of this project? To start, discuss:
The societal importance of advanced literacy and reasons we need solutions like Reading Boost. Discuss statistics on literacy rates, impact on lifetime opportunities, threat of "information obesity", and promotion of an informed and engaged public. What key challenges is Reading Boost addressing, e.g. lack of access, personalization, low motivation or skills?
Reading Boost's mission to enhance and personalize reading comprehension through AI that analyzes readers' abilities, needs and interests to provide customized support. Explain its interactive assessments, recommendations of visuals, multimedia, texts, discussions, and activities tailored to individuals. Discuss machine learning and data informing adaptation to diverse users.
Reading Boost's key features like interactive assessments providing data to personalize experiences based on abilities, needs, goals; customized recommendations of visuals, texts, multimedia, discussions, activities tailored to individuals; and interactive feedback including explanations during reading: summaries, responses to questions, encouragement. Note that higher-level skills require human teachers.
Reading Boost's benefits e.g. increased motivation through personalization, efficiency, scalability and automation. Discuss how features work together to motivate, engage and empower readers at their skill levels and purposes.
Reading Boost's target audiences from language learners to professionals, supporting educators, and optimized for both structured learning and pleasure reading. Discuss universal design and customization for individuals with diverse needs. Explain applications in education, workplace, and daily life.
How Reading Boost advances the future of education through innovative yet accessible and equitable blend of AI and human connection. Discuss vision to open up access to advanced literacy and opportunity. Explain why human connection, creativity and values must remain central if progress is to benefit humanity.
Reading Boost's commitment to ethics including transparency, privacy by design and understanding diverse users. Discuss steps taken to build a secure, trustworthy product that protects agency and well-being. Note focus on marginalized groups facing greater barriers.
Your conclusions on Reading Boost's transformative potential if we're willing to shape progress through purpose and partnership guiding smarter tech to fit and uplift human strengths. Share your hope we'll work together to open access to tools for equity and empowerment in reading and beyond. The future is ours to shape.
Please summarize Reading Boost based on these prompts, adding examples and details to provide a thorough, compelling overview. Your thoughtful advocacy for access to knowledge and opportunity is appreciated. The future remains ours to shape, step by step, if we dare to shape it well.
Apply the prompt to this content:
Reading Boost
Encourage reading. Individualize reading comprehension.
Introduction
Purpose
The fundamental act of reading is essential in today's knowledge society.
Reading is not just about decoding words. Reading requires understanding vocabulary in context, analyzing structure, inferring meaning, and synthesizing information—complex skills that many struggle with.
The time is now to eliminate the gap between the critical importance of reading comprehension in our society and the challenges that individuals encounter in their reading journeys.
Description
Goal: Deliver a thoughtful, AI-empowered approach to significantly enhance how billions of people read, learn, and access information.

In May 2023, Anthropic expanded Claude's context window from 9K to 100K tokens. There are many opportunities for using this capability! Let's start with reading!
"Reading Boost," is an AI-empowered process that individualizes reading comprehension for students, educators, professionals, and individuals with reading or learning difficulties. The process has four steps – plan, implement, review, and improve. AI's role is to augment each step, maintain metacognitive knowledge, and produce counterfactual strategies to improve reading tasks.
Functions:
25 reading comprehension tasks
Our current design enhances two of twenty-five reading tasks, "summarizing and "identifying the main idea and supporting details"
AI-augmented individualization factors:
Purpose of reading
Information Retrieval
Interpretation/Reflection
Critical Analysis
Reading skill level
Foundational skills underlie all reading.
Basic skills focus on understanding content and structure.
Advanced skills involve analysis and interpretation.
Cognitive process: Informed by Bloom's Taxonomy, these progress from recognizing information to using higher-order thinking.
Remembering/Understanding
Applying/Analyzing
Evaluating/Creating
Potential for AI Augmentation: Based on its abilities, AI can enhance some tasks more than others.
High
Medium
Low
Reading Boost can be implemented on a large language model using the system's console or API.
Individualization factors
Here is the current list of individualization factors.
Reading comprehension skill level
Foundational Skills
The basic skills that underpin reading comprehension
Basic Comprehension Skills
Skills involve understanding the text's main messages and structure
Advanced Comprehension Skills
Skills involve deeper analysis and interpretation of the text
Cognitive processing
This categorization is based on Bloom's Taxonomy, a widely used model in education that classifies cognitive skills from basic to advanced
Remembering and Understanding
Recalling information and grasping meanings
Applying and Analyzing
Using information in new ways and breaking down information
Evaluating and Creating
Forming judgments and creating new ideas
Purpose of reading
Information Retrieval
Locating or recalling specific information
Interpretation and Reflection
Making sense of the information and relating it to one's own knowledge or experiences
Critical Analysis
Making judgments, evaluating arguments, and creating new ideas
AI augmentation potential
Low potential for AI augmentation
Medium potential for AI augmentation
High potential for AI augmentation
Reading tasks
Here is the current list of reading tasks.
Summarizing
Summarizing: Condensing the information in a passage to a brief overview.
Advanced Comprehension Skills
Applying and Analyzing
Information Retrieval
High AI Augmentation
Rationale: AI has been successful in generating accurate and concise summaries of larger text bodies.
Identifying the main idea and supporting details
Identifying the Main Idea and Supporting Details: Determining the central point and details that support it.
Basic Comprehension Skills
Remembering and Understanding

Information Retrieval
Medium AI Augmentation
Rationale: While AI can detect keywords and patterns, subtle nuances may be missed.
Understanding vocabulary in context
Understanding Vocabulary in Context: Determining the meaning of words or phrases based on how they're used in the text.
Foundational Skills
Remembering and Understanding
Information Retrieval
High AI Augmentation
Rationale: AI can quickly access large databases of vocabulary and understand context from trained models.
Decoding
Decoding: Interpreting written language, a fundamental step in reading.
Foundational Skills
Remembering and Understanding
Information Retrieval
High AI Augmentation
Rationale: AI is well-equipped to convert written language into a format that can be understood.
Fluency
Fluency: Reading text accurately, quickly, and with proper expression.
Foundational Skills
Remembering and Understanding
Information Retrieval
Medium AI Augmentation
Rationale: AI can improve reading speed and accuracy but can't yet fully replicate human prosody and expression.
Understanding text features
Understanding Text Features: Grasping the function of headers, bullet points, bold or italic text, and other text features.
Foundational Skills
Remembering and Understanding
Information Retrieval
High AI Augmentation
Rationale: AI can identify and explain various text features easily.
Identifying text structure
Identifying Text Structure: Understanding the organization of the text, such as cause-effect, problem-solution, compare-contrast etc.
Basic Comprehension Skills
Remembering and Understanding
Information Retrieval
Medium AI Augmentation
Rationale: AI can detect certain structures based on patterns, but some complex structures may pose a challenge.
Sequencing
Sequencing: Putting events or steps in the order they occurred or should occur.
Basic Comprehension Skills
Remembering and Understanding
Information Retrieval
High AI Augmentation
Rationale: AI can sequence events based on time expressions and logical connectors in the text.
Understanding genre conventions
Understanding Genre Conventions: Grasping the typical features and structure of different types of expository texts.
Basic Comprehension Skills
Remembering and Understanding
Information Retrieval
Low AI Augmentation
Rationale: While AI can be trained to recognize certain genre conventions, subtleties may be difficult to identify.
Comparing
Comparing: Identifying similarities and differences between two or more texts or within one text.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can detect similarities and differences based on patterns and keywords but may miss subtle nuances.
Inferring
Inferring: Making educated guesses based on the given information.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Low AI Augmentation
Rationale: AI may struggle with inferences that require understanding beyond the explicit text.
Drawing conclusions
Drawing Conclusions: Making a judgment or decision based on the information provided.

Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can draw conclusions based on explicit information, but subtler or more complex conclusions may pose a challenge.
Self-questioning
Self-questioning: Formulating questions about the text while reading to enhance understanding.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Low AI Augmentation
Rationale: AI currently lacks the self-awareness required to ask questions about its own understanding.
Problem-solving
Problem-solving: Identifying and resolving challenges or obstacles within the text.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can help identify and suggest solutions to explicit problems but may struggle with more complex or abstract issues.
Interpreting graphics and tables
Interpreting Graphics and Tables: Understanding information presented in a non-textual format.
Advanced Comprehension Skills
Applying and Analyzing
Information Retrieval
High AI Augmentation
Rationale: AI technologies like computer vision can interpret information from non-textual formats.
Analyzing cause and effect
Analyzing Cause and Effect: Determining the relationship between different events or concepts in the text.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can identify explicit cause-and-effect relationships but might miss implicit or complex ones.
Relating background knowledge
Relating Background Knowledge: Connecting the information in the text to personal knowledge or experience.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Low AI Augmentation
Rationale: AI lacks personal experiences and context, limiting its ability to make connections to background knowledge.
Distinguishing between fact and opinion
Distinguishing between Fact and Opinion: Identifying statements as either verifiable facts or personal opinions.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can be trained to recognize certain patterns of fact and opinion, but subtleties may escape it.
Identifying author’s purpose and point of view
Identifying Author's Purpose and Point of View: Understanding the reason the text was written and the perspective from which it's written.
Advanced Comprehension Skills
Applying and Analyzing
Interpretation and Reflection
Low AI Augmentation
Rationale: Understanding author's intent and perspective can be complex and may be challenging for AI.
Evaluating arguments and evidence
Evaluating Arguments and Evidence: Assessing the validity and strength of claims and their supporting evidence.
Advanced Comprehension Skills
Evaluating and Creating
Critical Analysis
Low AI Augmentation
Rationale: AI might struggle with critically evaluating the quality of arguments and evidence.
Making predictions
Making Predictions: Anticipating future events or outcomes based on information in the text.
Advanced Comprehension Skills
Evaluating and Creating
Interpretation and Reflection
Low AI Augmentation

Rationale: Predicting future events requires a deep understanding of the context, which AI might find challenging.
Identifying tone and mood
Identifying Tone and Mood: Recognizing the author's attitude or the emotional atmosphere of the text.
Advanced Comprehension Skills
Evaluating and Creating
Interpretation and Reflection
Medium AI Augmentation
Rationale: AI can identify tone and mood based on trained sentiment analysis models, but nuanced emotional atmospheres may pose a challenge.
Synthesizing
Synthesizing: Combining information from multiple sources or parts of a text to form a new understanding.
Advanced Comprehension Skills
Evaluating and Creating
Critical Analysis
Medium AI Augmentation
Rationale: AI can combine information from various sources but the resulting synthesis might lack human-like understanding or insight.
Making connections
Making Connections: Linking ideas within the text or between different texts.
Advanced Comprehension Skills
Evaluating and Creating
Interpretation and Reflection
Low AI Augmentation
Rationale: While AI can make direct connections based on patterns and keywords, it may struggle with deeper, less obvious connections.
Identifying biases or assumptions
Identifying Biases or Assumptions: Recognizing unstated beliefs or values that underlie the text.
Advanced Comprehension Skills
Evaluating and Creating
Critical Analysis
Low AI Augmentation
Rationale: Recognizing underlying biases or assumptions requires a complex understanding of societal and cultural contexts, which AI may find difficult.