How AI Can Help Every Student Develop Their Authentic Voice

AVID®

Today's Presenters

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AVID Center
Teaching and Learning Manager

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Director of Academic Innovation and Strategy

Today's Agenda

- Setting the Stage: The argument for the importance of student authentic voice
- Instructional AI's role in building confidence
- Once confidence is built, how can AI be used to support critical thinking, and help students leverage their unique voice?

Essential Question

When technology increasingly makes generation of content automatic, do students need to build their own authentic voice? If so, how will that be made possible in the age of AI?

Participants will...

1. Walk away with a clear understanding of the importance of students building their own authentic voice.
2. See the connection between student confidence and authentic voice and the barriers that exist.
3. Be exposed to how technology can help with scaling personalized support for students.

Why is student confidence needed to develop an authentic voice?

Inauthentic Voice

Write me an email to the teacher in charge of our elementary student government about how I really want to be in student government as an 11-year-old.

Subject: Can I Join Student Government? 🎉

Hi [Teacher's Name]!

I hope you're having an awesome day! 🌈 My name is [Your Name], and I'm in [Your Grade] in your class. I wanted to talk to you about something super exciting—student government!

I've been thinking a lot about it, and I really, really, REALLY want to be a part of the student government. I think it would be so cool to help make our school even more awesome! I have some ideas about fun things we could do, like maybe a school-wide game day or a talent show. What do you think?

I promise I'll work super hard and try my best to be a great student government member. I want to help ↓ e our school a happy place for everyone. 😊

- **AI detracts from Student Voice by:**
  - Doing the thinking/writing
  - Using predictable/similar wording
  - Takes away independent thought
  - Takes away opportunity to fail

Authentic Voice

I am an 11-year-old elementary student that wants to be in student government at my school. What things should I include in a letter to the teachers in charge of selection of the positions?

1. **Introduction:**
   - Begin your letter by introducing yourself and mentioning your grade.
   - Express your enthusiasm for the opportunity to be part of the student government.
2. **Reasons for Wanting to Join:**
   - Explain why you are interested in student government.
   - Share any ideas you have for making positive changes or contributions to the school community.
3. **Skills and Qualities:**
   - Highlight any relevant skills or qualities that make you a good candidate.
   - If you have experience working in groups or leading projects, mention that.
4. **Commitment:**
   - Express your commitment to fulfilling the responsibilities that come with being a member of the student government.
   - Mention your willingness to dedicate time and effort to the role.

- **AI can support Student Voice by:**
  - Idea Generation
  - Research Assistant
  - Writing Assistant
  - Thought Partner

Why Students Need an Authentic Voice

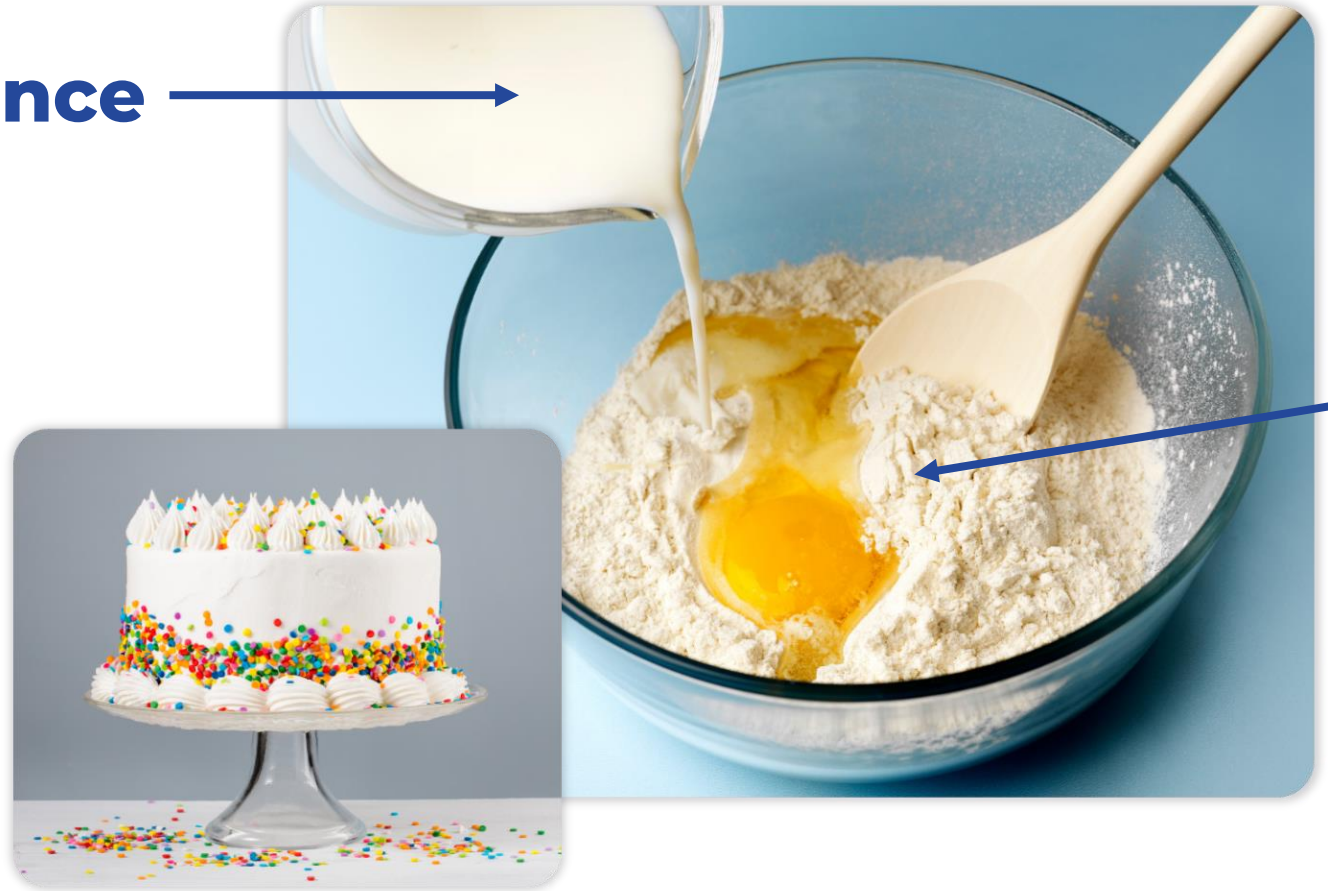
- Create a Strong Self-Identity
- Seek Help and Feedback
- Communicate Unique Thought, Ideas, and Perspectives
- Questioning to Demonstrate Critical Thinking and Clarify Learning

Why is Student Confidence Needed to Develop Authentic Voice?

Students with higher confidence are more likely to use their unique voice.

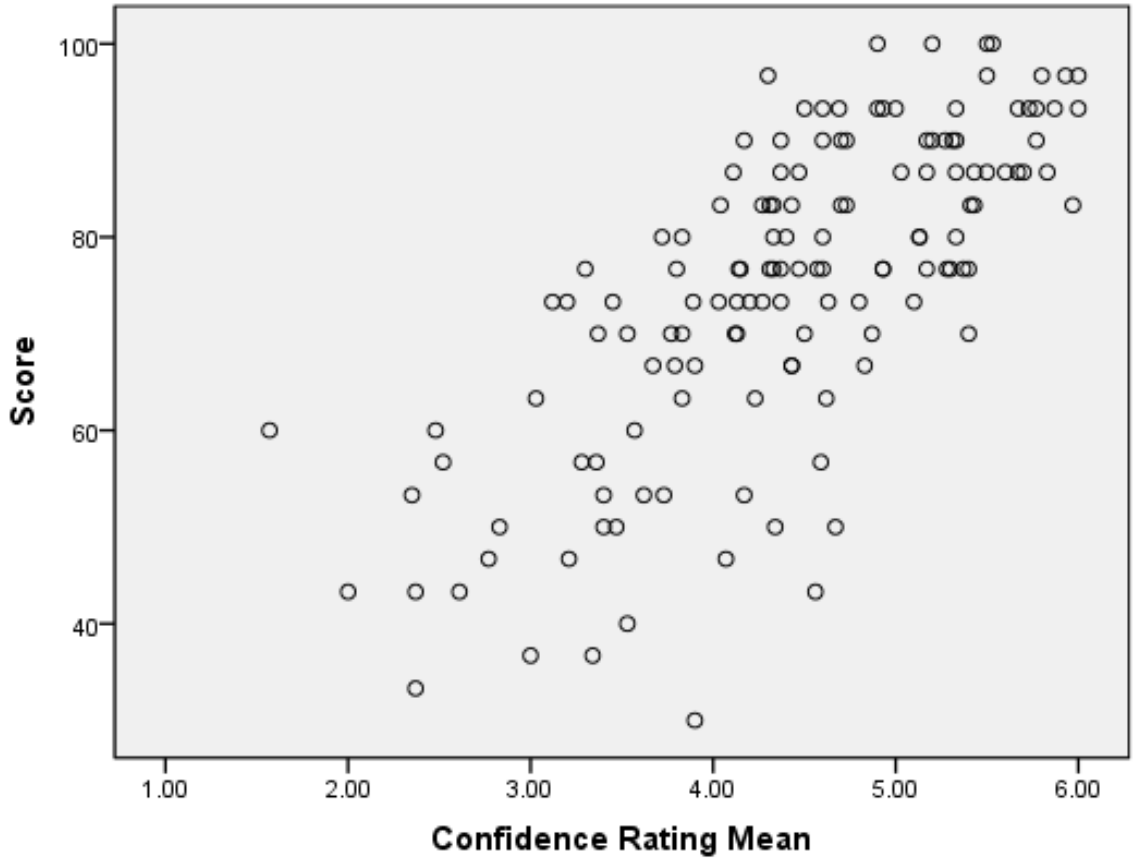
Student Authentic Voice Recipe

Confidence



- Consistent Feedback
- Multimodal Assessment
- Multiple Ways to Demonstrate Thinking
- Support System
- Engagement

Student Confidence Case Studies



[Study Done by Open Colleges EDU]

Student Confidence in the Classroom

Audience Chat Prompt:

What eats away at student confidence?

What current frameworks do we have to build student confidence?

The Science Behind Packback

Self-Determination Theory

This framework for cultivating intrinsic motivation can be adapted to the classroom to support greater student engagement.

Purpose

Curriculum is connected and relevant to life goals and promotes social connectedness.

Autonomy

Choice over their actions, pride and ownership of outcomes.

Mastery

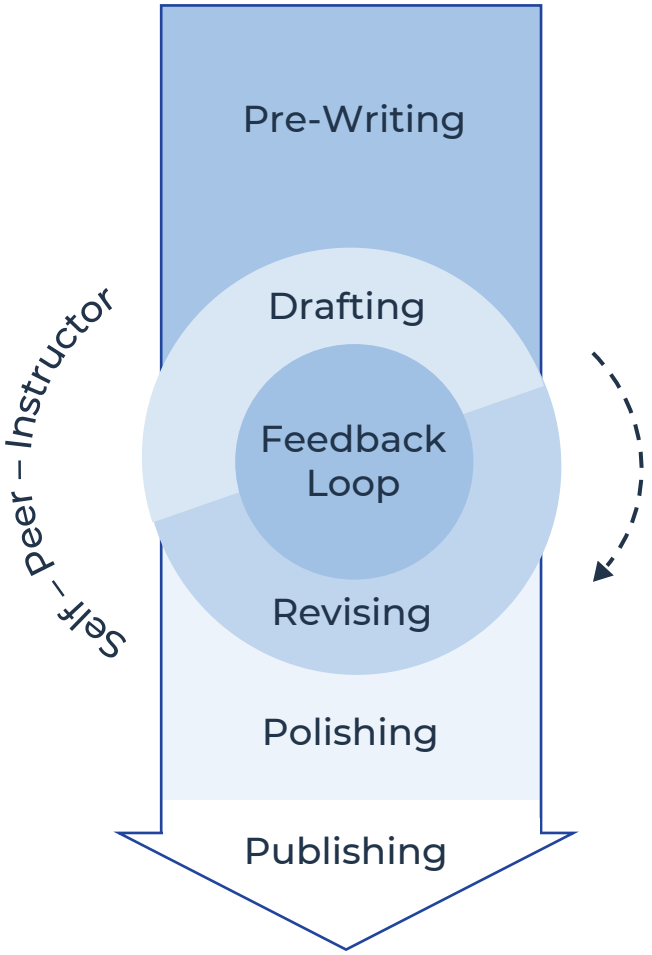
Feeling of effectiveness and confidence in ability to execute tasks, supported through clear feedback.

Writing Process

Activating
Setting up
for success

Engaging
Digging into
the language

Extending
Taking it beyond
the page to
an audience



What roadblocks currently impact instructors' ability to build confidence?

Current Roadblocks

- Time
- Consistent Energy
- Consistent Feedback
- Collaborative Learning Environment
- Creating a Class Receptive to Feedback

What is Instructional AI?

Instructional AI

- Teaches students how to think and how to write, not thinking or writing on behalf of students.
- Empowers educators by providing them sophisticated methods to engage with and assess students.
- Rooted in Pedagogy – educational methodology guides the user experience, with end outcomes in mind.

TEACHING TO FISH
VS.
GIVING A FISH

Audience Poll:
How have you used AI in your classroom?

How can Instructional AI help scaffold a student's ability to ask questions or give feedback on other students' questions/thoughts?

PAIN POINT #1

Developing Inquiry Skills

1. **Student Engagement:** It can be difficult to stimulate student interest in inquiry-based learning, especially for those who are less naturally curious or hesitant to question and explore.

2. **Time Constraints:** The massive amount of content that needs to be covered can sometimes be a barrier to the inclusion of inquiry.

3. **Assessment Difficulties:** Evaluating inquiry skills can be tough due to their subjective nature, making it hard for teachers to create effective assessment methods.

Back to Community

Edit Question

What is your question? *

What is Packback's Instant Feedback feature?

44 / 255 ✓ Great! Now, add a description to make your question interesting.

Add a Description

Packback's Instant Feedback feature provides real-time feedback through tips that pop up as a user types, responding to the content question or answer as it's being written.

These tips will help you to be sure to:

Phrase your question properly and include a question mark

Add a description to your question

Keep your question title concise for easy reading and clarity

Instant Feedback

Curiosity Score

Predicted Score Range: **31-70 Curiosity Score**

▲ This post may be flagged Review ›

FEEDBACK BREAKDOWN

Curiosity

▲ **Your question appears closed-ended.**
Try rewriting it to allow for discussion and debate, instead of a direct answer.

● **Add a more detailed description.**
Add a more detailed description to spark more engaging discussion.

Credibility

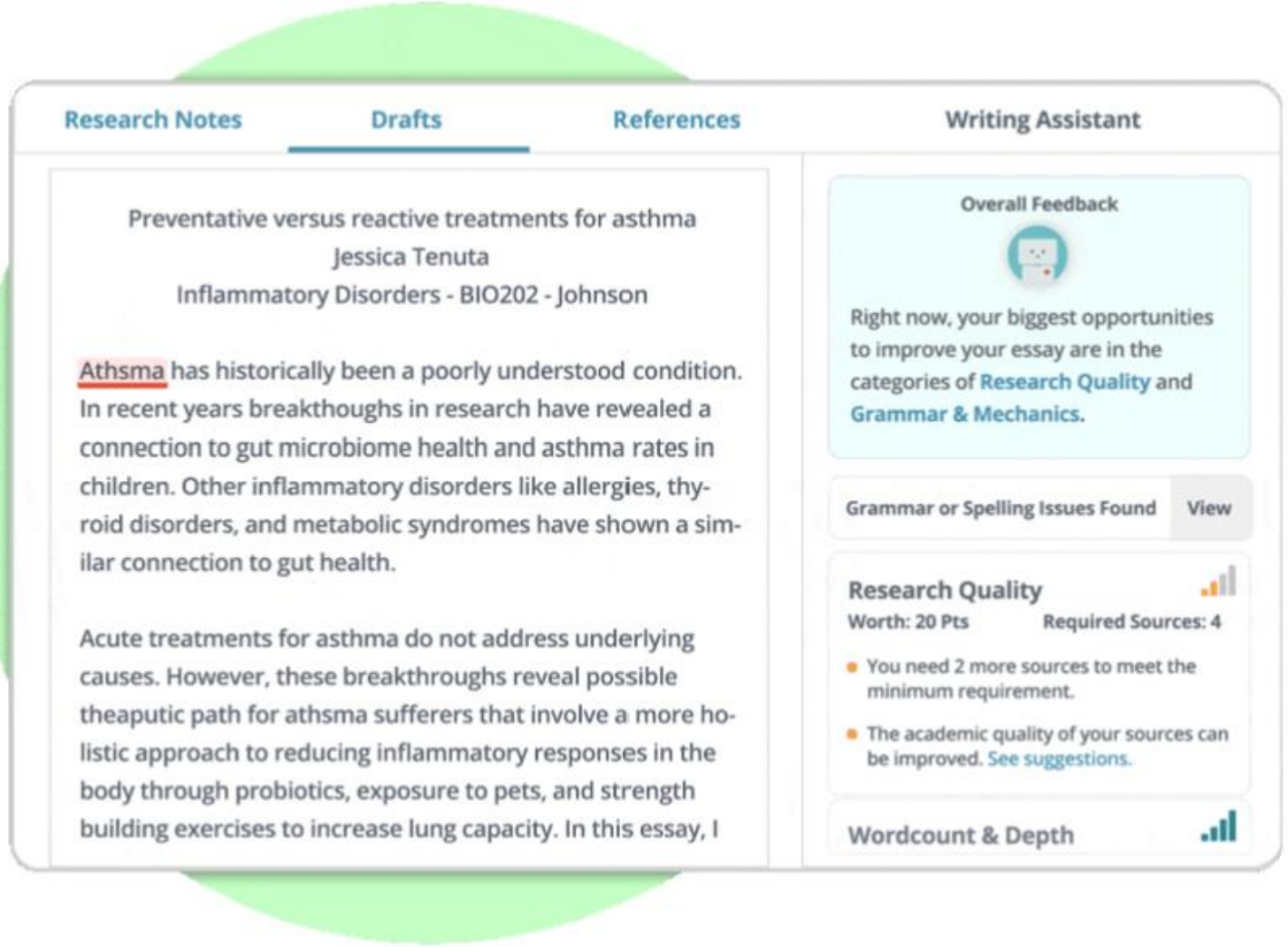
✓ **Great job citing a source!**
Citations help readers gain context and assess a post's credibility.

Communication

PAIN POINT #2

Writing

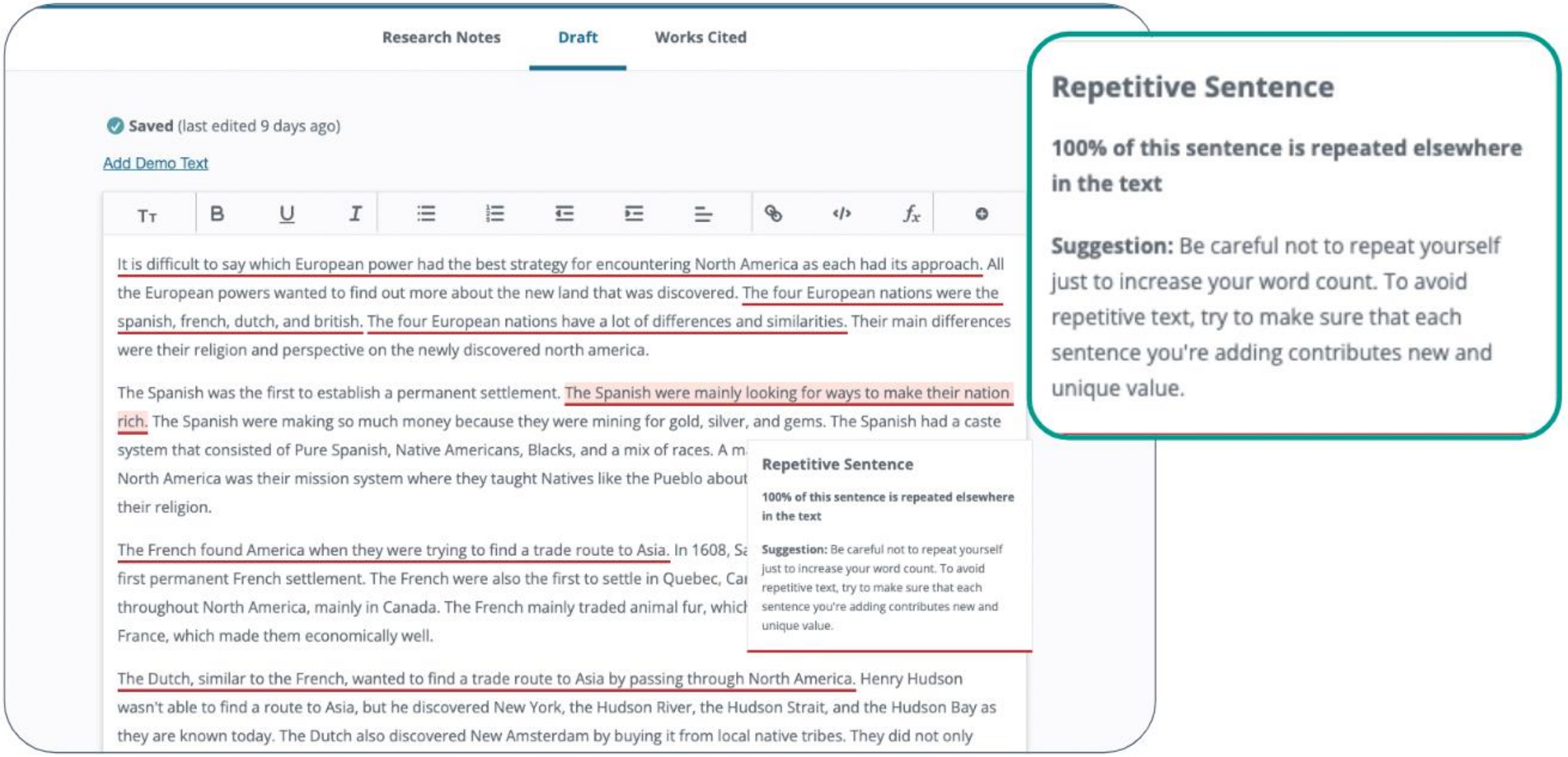
1. **Writing Structure:** Students may struggle with structuring their writing effectively, including developing a strong thesis, supporting arguments, and a compelling conclusion.
2. **Individual Feedback:** Providing individualized feedback to each student can be time-consuming and difficult, especially in larger classes.
3. **Varying Skill Levels:** In any given class, there may be a wide range of writing abilities. Catering to all levels can be difficult.
4. **Subject-Specific Teachers Teaching Writing:** Math or science teachers may struggle teaching writing in the AVID Elective class, as it's outside their primary expertise.


Research Notes
Drafts
References
Writing Assistant
Preventative versus reactive treatments for asthma
Jessica Tenuta
Inflammatory Disorders - BIO202 - Johnson
Athsma has historically been a poorly understood condition. In recent years breakthoughs in research have revealed a connection to gut microbiome health and asthma rates in children. Other inflammatory disorders like allergies, thyroid disorders, and metabolic syndromes have shown a similar connection to gut health.
Acute treatments for asthma do not address underlying causes. However, these breakthroughs reveal possible theaputic path for athsma sufferers that involve a more holistic approach to reducing inflammatory responses in the body through probiotics, exposure to pets, and strength building exercises to increase lung capacity. In this essay, I
Overall Feedback
Right now, your biggest opportunities to improve your essay are in the categories of Research Quality and Grammar & Mechanics.
Grammar or Spelling Issues Found
View
Research Quality
Worth: 20 Pts
Required Sources: 4
You need 2 more sources to meet the minimum requirement.
The academic quality of your sources can be improved. See suggestions.
Wordcount & Depth

PAIN POINT #3

Quality and Timely Feedback

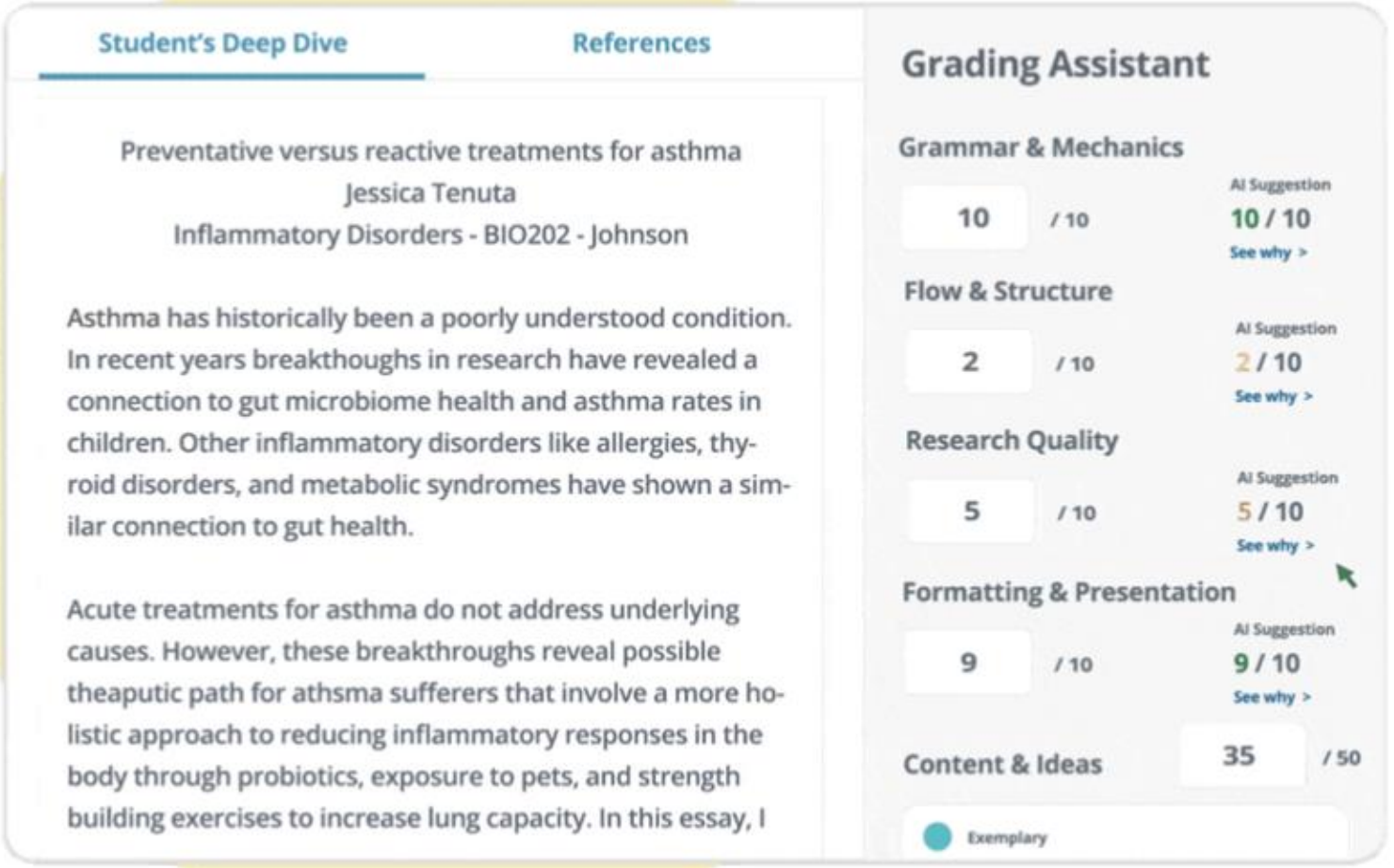
1. **Time Constraints:** Teachers often have limited time to provide detailed, individualized feedback to each student, especially in larger classes.
2. **Student Receptiveness:** Not all students are receptive to feedback, which can make the process of providing it challenging and potentially discouraging.
3. **Feedback Consistency:** Maintaining consistency in feedback across different students and assignments can be difficult.
4. **Feedback Follow-up:** Tracking whether students have implemented the feedback in their subsequent work can be time-consuming and difficult.



Repetitive Sentence

100% of this sentence is repeated elsewhere in the text

Suggestion: Be careful not to repeat yourself just to increase your word count. To avoid repetitive text, try to make sure that each sentence you're adding contributes new and unique value.


Student's Deep Dive
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Grading Assistant
Grammar & Mechanics
10
/ 10
AI Suggestion
10 / 10
See why >
Flow & Structure
2
/ 10
AI Suggestion
2 / 10
See why >
Research Quality
5
/ 10
AI Suggestion
5 / 10
See why >
Formatting & Presentation
9
/ 10
AI Suggestion
9 / 10
See why >
Content & Ideas
35
/ 50
Exemplary

How can Instructional AI be implemented to help educators build student confidence?

How Instructional AI Increases Confidence

- **Building Community**
  Questions, moderation process
- **Instant Feedback to Students**
- **Empowering Educator Praise and Personalized Feedback**
  Match & Message in performance-based questions, in-line commenting in Deep Dives

Outcomes of Instructional AI

32% More A's and 32% Fewer F's

When compared to students using traditional discussion boards, students using Instructional AI were shown to receive significantly better grades.

30% Less Time Spent Grading

Instructors using Instructional AI in their classrooms spend up to 30% less time grading assignments and note that they're able to grade more thoroughly.

89% of Instructors Saw Improvement

According to a research study, 89% of instructors agree that they saw improvement in the quality of their students' writing after using Instructional AI.

88% of Students Found Instructional AI Helpful

According to that same research study, 88% of students reported that the Instructional AI writing assistant helped improve their writing.

Audience Q & A

Thank You!

AVID.org/ai