How AI Can Help Every Student Develop Their Authentic Voice
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 make 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
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.
What is Packback's Instant Feedback feature?

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

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.
Preventative versus reactive treatments for asthma
Jessica Tenuta
Inflammatory Disorders - BIO202 - Johnson

Asthma has historically been a poorly understood condition. In recent years breakthroughs 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 therapeutic paths for asthma 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
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.
It is difficult to say which European power had the best strategy for encountering North America as each had its approach. All the European powers wanted to find out more about the new land that was discovered. The four European nations were the Spanish, French, Dutch, and British. The four European nations have a lot of differences and similarities. Their main differences were their religion and perspective on the newly discovered North America.

The Spanish was the first to establish a permanent settlement. The Spanish were mainly looking for ways to make their nation rich. The Spanish were making so much money because they were mining for gold, silver, and gems. The Spanish had a caste system that consisted of Pure Spanish, Native Americans, Blacks, and a mix of races. A mission system was their mission system where they taught Natives like the Pueblo about their religion.

North America was their mission system where they taught Natives like the Pueblo about their religion.

The French found America when they were trying to find a trade route to Asia. In 1608, Siouan were the first permanent French settlement. The French were also the first to settle in Quebec. Canada was mainly in Canada. The French mainly traded animal fur, which made them economically well.

The Dutch, similar to the French, wanted to find a trade route to Asia by passing through North America. Henry Hudson wasn’t able to find a route to Asia, but he discovered New York, the Hudson River, the Hudson Strait, and the Hudson Bay as they are known today. The Dutch also discovered New Amsterdam by buying it from local native tribes. They did not only
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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