KHANMIGO PILOT

- Khan Academy

  Tutoring through video clips

- Open AI

  Large Language Model powered chatbot

- Sweetwater

  1000 students and 35 teachers for 24-25 school year





SWEETWATER AI GUIDELINES

- Explore AI with Caution (Pilot and Evaluate)
  - Lead with Human Intelligence
  - Prepare Students for the Workforce
- Ramp Up Security (Consent Forms)
  - Protect Student and Staff Privacy (Consent forms)
  - Be Transparent about AI Use
- Educate, Iterate, Learn (Share lessons broadly)
  - Teach AI Awareness
  - Ensure Pedagogical Appropriateness
  - Monitor Continuously

Artificial Intelligence (AI) Guidelines

The exponential growth of AI tools in K12 education and the workplace present both opportunities and threats for the Sweetwater community. We expect these guidelines will offer a balanced approach that will provide direction for the safe and effective use of these tools.

Opportunities

AI promises to provide many advantages as it can analyze large data sets to quickly determine patterns and trends and generate unique products based on that data analysis. A few of the potential benefits for using AI in schools include:

- Idea generation
- Automation of repetitive tasks
- Personalization of instruction
- Lesson planning
- Report writing
- Streamlining processes
- Increasing efficiencies
- Reducing costs

Threats

Given the volatility and speed of change associated with AI deployment, there are risks associated with the use of AI including but not limited to:

- Plagiarism/Cheating
- Job loss
- Learning atrophy
- Bias
- Inaccurate output
- Increased social isolation

Sweetwater is embracing AI with open eyes with the intention of learning, iterating, and adapting practices as needed so that we can take full advantage of the promise of AI while mitigating against any potential risks.

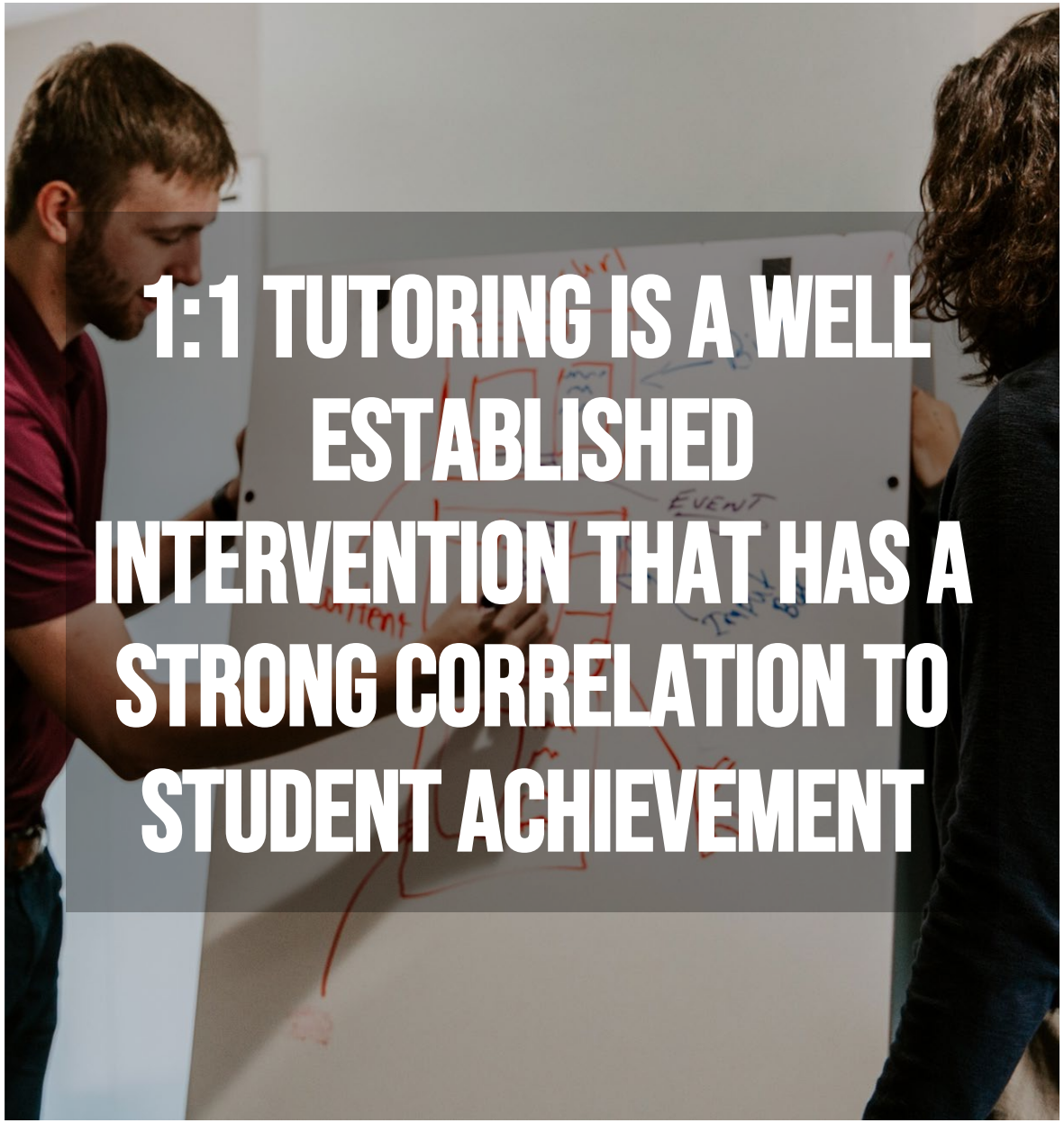
PROGRAM EVALUATION

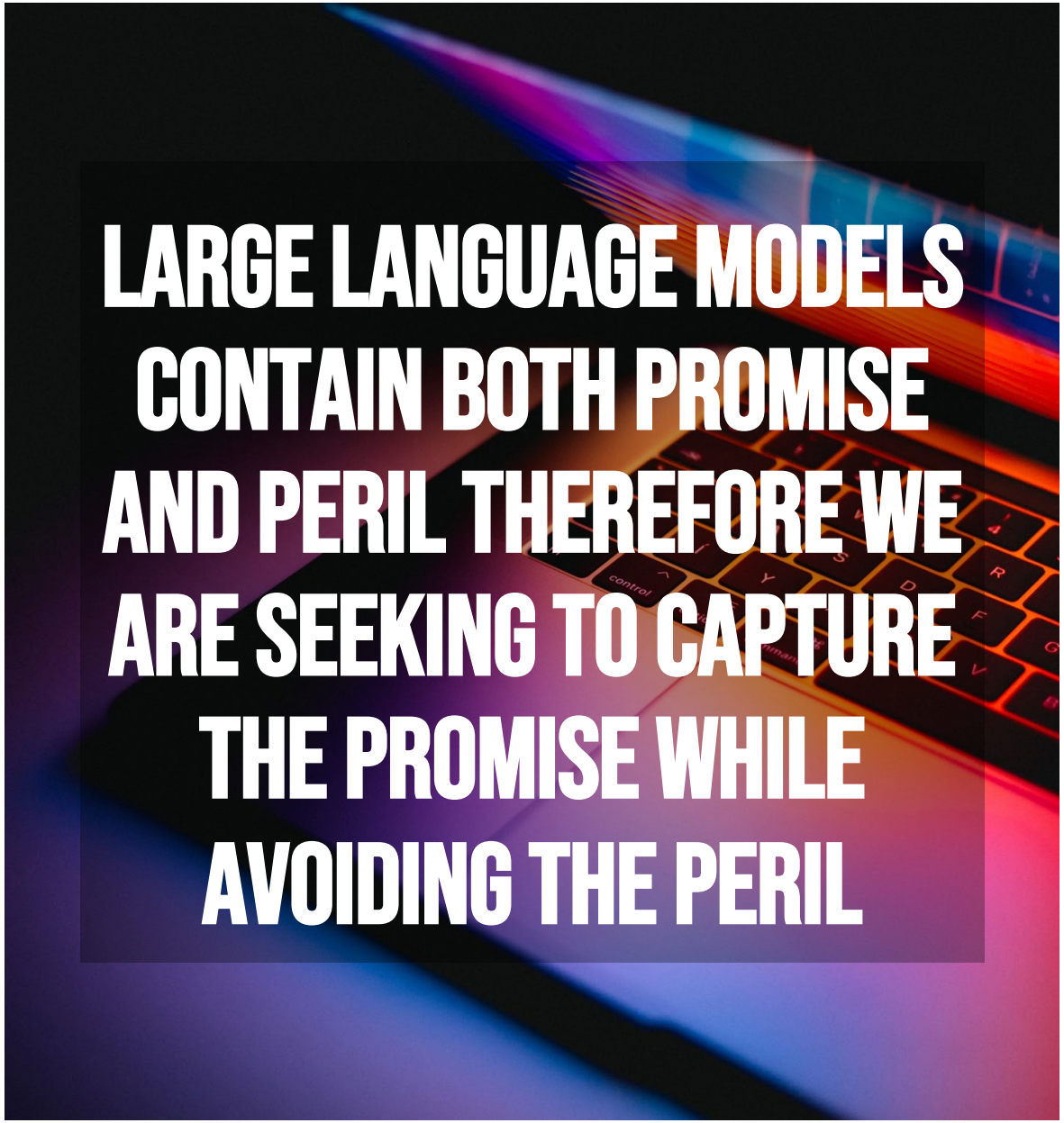
- Comparison with Human Tutor Programs
  - Hey Tutor and AVID tutor
  - Include Control Group
- GPA and Attendance year to year comparison
  - Protect Student and Staff Privacy
  - Be Transparent about AI Use
- Survey Data
  - Interest in school and class
  - Effectiveness of Khanmigo use



Program Goal

Improve outcomes (GPA, Attendance, engagement) of English Learners and Students with Disabilities through a partnership with teachers and Khanmigo.


1:1 TUTORING IS A WELL ESTABLISHED INTERVENTION THAT HAS A STRONG CORRELATION TO STUDENT ACHIEVEMENT


LARGE LANGUAGE MODELS CONTAIN BOTH PROMISE AND PERIL THEREFORE WE ARE SEEKING TO CAPTURE THE PROMISE WHILE AVOIDING THE PERIL



- Teacher Training

  12 Virtual Sessions

- Primary Responsibility is tutoring implementation

  Khanmigo studies show that roughly 25% of students reach full participation (measure as 10 engagements a month)

- Secondary Goal is access and use of Teacher Tools

  These tools are available for free (today) to any teacher, however these teachers will receive targeted training opportunities.

THANK YOU

QUESTIONS

