Planning for A.I. Implementation:

Strategic Support for School Leaders

Presented by Sarah Tantillo, Ed.D.

“You are not going to be replaced by AI. You're going to be replaced by another human who is using AI.”

- What are the implications of this quote for our work as educators?
- How can we plan for a future that we can barely imagine?

#FoodForThought

Agenda:

- The Story of My First Time
- ChatGPT*=Or…
- How can ChatGPT* save teachers and leaders time?
- How can we use ChatGPT and other A.I. tools most effectively in the classroom?
- How should we begin in planning for A.I. implementation?
- What are some PD options to support your staff?

The Story of My First Time

ChatGPT*=Or…

- **Bard** (free), soon to be integrated fully into Google Suites. Includes draft options & saving to Docs/Gmail.
- **Bing** (free; use with Microsoft Edge browser) but very “busy” graphics
- **Khanmigo** ($20/mo), super-tutor using ChatGPT 4.0

How can ChatGPT* save leaders time?

- Meeting agendas
- Risk management plans for field trips/events
- Letters to parents/guardians
- Policy documents
- Newsletters
- Memos to staff
- Summaries of PD articles; discussion questions
- College recommendations

How can ChatGPT* save teachers time?

- Project-Based Learning project plans
- Debate materials
- Writing prompts
- Rubrics
- Lesson plans
- Mini-lessons
- Exemplars and non-exemplars
- Group assignments and rotation schedules
- College recommendations

Student Access

- **As of TODAY (June 7, 2023), you must be 18 or older to use ChatGPT or Bard.**
  - That will change once they've put guardrails in place.
  - Google plans to integrate Bard into everything!

- **CURRENT ADVICE:**
  - Model/Facilitate use of ChatGPT/Bard in class.
  - Assume students have access via phones and at home; plan HW assignments that cannot easily be completed with AI.

- **EVENTUALLY:** Students will be able to use it in class (if you don't already have the "single sign-in" approach like Quest Academy).

How can we use ChatGPT and other A.I. tools most effectively in the classroom?

1. How do we ensure that students are learning?
2. How do we balance the need to master A.I. skills with the need to learn content and critical thinking skills?

How can we use ChatGPT and other A.I. tools most effectively in the classroom?

- Teach prompt engineering and output evaluation—e.g., PREP and EDIT.*
- Ensure that students evaluate/fact-check their work FOR A GRADE.

- *from *The A.I. Classroom* (Fitzpatrick, Fox, Weinstein).

PROMPT ENGINEER FRAMEWORK

@AmandaFoxSTEM
@DanFitzTweets
@WeinsteinEdu

First, PREP the Machine.

P — 1 — **Prompt**
Introduce the question with a prompt

R — 2 — **Role**
Give it a role or voice

E — 3 — **Explicit**
Be explicit in your instructions

P — 4 — **Parameters**
Set the parameters of the answer

Then, EDIT the Output.

E — 5 — **Evaluate**
Evaluate your AI output content for language, facts, and structure

D — 6 — **Determine**
Determine accuracy and corroborate with source.

I — 7 — **Identify**
Identify biases and misinformation in output.

T — 8 — **Transform**
Transform content to reflect adjustments and new findings

Re-PREP & EDIT until satisfied

The #AICLASSROOM

How can we use ChatGPT and other A.I. tools most effectively in the classroom?

- Engage students in work using ChatGPT and debate its merits.
  - See Steve Dembo's case study in *The A.I. Classroom* (226-232).
  - ChatGPT is suitable for some purposes, not others.
- See Dembo on #WeekofAI Conference: https://www.youtube.com/watch?v=nEAPG0B_lR4&t=26s

- *from *The A.I. Classroom* (Fitzpatrick, Fox, Weinstein).

How can we use ChatGPT and other A.I. tools most effectively in the classroom?

- Build lessons around exemplars and non-exemplars.

EXEMPLARS	NON-EXEMPLARS

  - "What do you notice?"

How can we use ChatGPT and other A.I. tools most effectively in the classroom?

FREE A.I. TOOLS:

- Chat Forefront: “Converse” w/ famous people, fictional characters, personas.
- Bard will be integrated into Google Suites.
- Diffit supports differentiation and vocabulary work!

NOT FREE BUT USEFUL:

- Khanmigo provides “super-tutoring.” ($20/mo)

How should we begin in planning for A.I. implementation?

- **Check out The Literacy Cookbook "A.I. TIPS" page.**
- Read *The A.I. Classroom* (Fitzpatrick, Fox, Weinstein).
- Form an A.I. Committee/Task Force to build a plan.
  1. Create an A.I. policy document.
  2. Plan and deliver A.I. training for leaders and teachers.
  3. Develop ways for staff to share resources and tips.
  4. Check in frequently with staff.
  5. Keep parents informed.

What are some PD options to support your staff?

- Share The Literacy Cookbook "A.I. TIPS" page.
- Provide copies of *The A.I. Classroom* (Fitzpatrick, Fox, Weinstein).
- Involve interested teachers in the A.I. Committee/Task Force.
- Potential training topics:
  - Effective ChatGPT* Prompt Engineering
  - How to Use ChatGPT* to Save Time
  - How to Use ChatGPT* in Your Classroom
  - Beyond ChatGPT: *Additional A.I. Tools

Sarah Tantillo, Ed.D.

- **Creator of The Literacy Cookbook Website and TLC Blog**, and the author of *The Literacy Cookbook*, *Literacy and the Common Core*, *Using Grammar to Improve Writing*, and *Hit the Drum: An Insider's Account of How the Charter School Idea Became a National Movement*. Sarah coaches K-12 schools on literacy instruction, curriculum development, and how to harness the power of AI tools such as ChatGPT, as well as leadership, culture-building, mental wellness, and strategic planning.

- **CONTACT INFO:**
  - literacycookbook@gmail.com
  - 312-933-8593 (mobile)
  - www.literacycookbook