AI IN ACTION
FOR TEACHERS

TechWays
YOUR CAREER HEADSTART

FACILITATE THE CONVERSATION:

Jo Brink
TechWays

Liezel Nicholas
AI for Teachers

TechWays
YOUR CAREER HEADSTART

ROADMAP FOR TODAY

Intros

Some quick intros to TechWays and Liezel Nicholas

Hear from experts

Your learners will need to use AI in the marketplace. How is AI currently being used in various industries.
And what skills do learners need to focus on?

Thanks!

AI tools

Let’s deep dive into the most useful tools you’ll need for teaching, learning and doing admin.

TechWays
YOUR CAREER HEADSTART

INTRO: TECHWAYS

Gr7-9 technology courses

Empowering Rural youth web designers

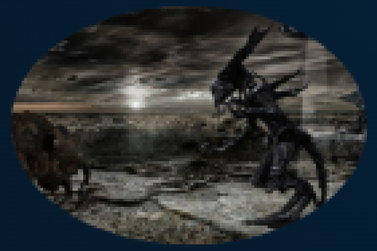
IEB TechWays AI hackathon

TechWays
YOUR CAREER HEADSTART

GR7-9 TECH COURSES

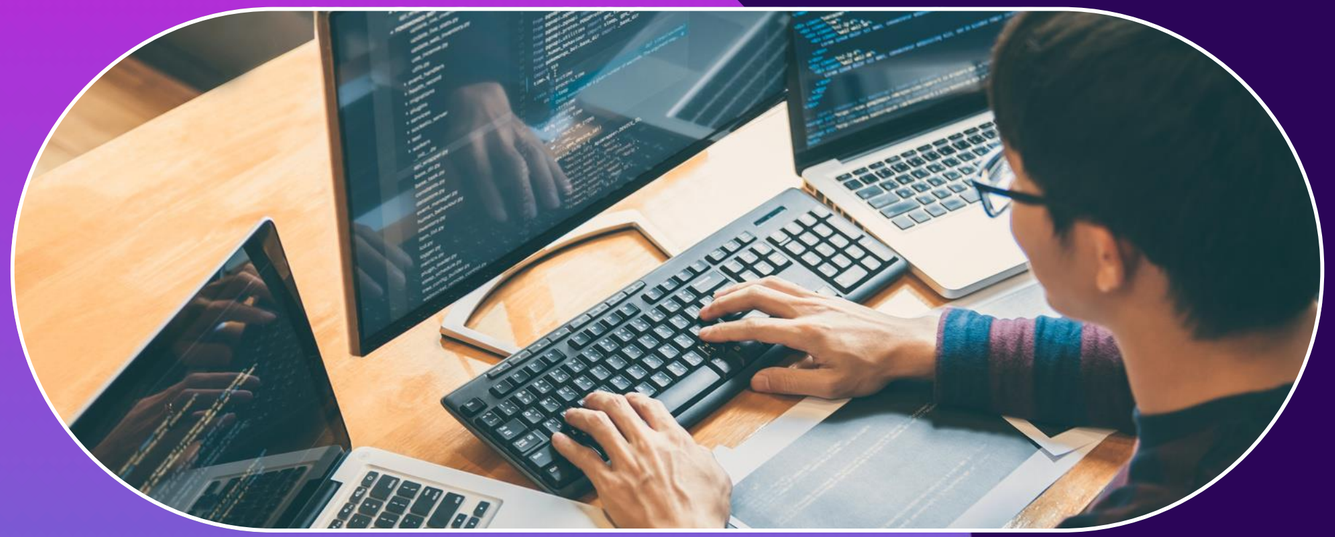
8-10 hrs each	MS / Google suite	Coding | Websites | Apps | 3D design	AI | Cyber Security | Game design
	Word/Docs Excel/Sheets PPT/Slides	Python HTML web Mobile app 3D design in CAD	AI & Databases Cyber Security Basics Game Design
Projects	Brochure | Memo | Article Budget dashboard Presentation to influence	Algorithms | Website CV mobile app for community 3d cufflink | 3d rook etc	Basic Chatbot Cyber risk assessment Space Hawk Game

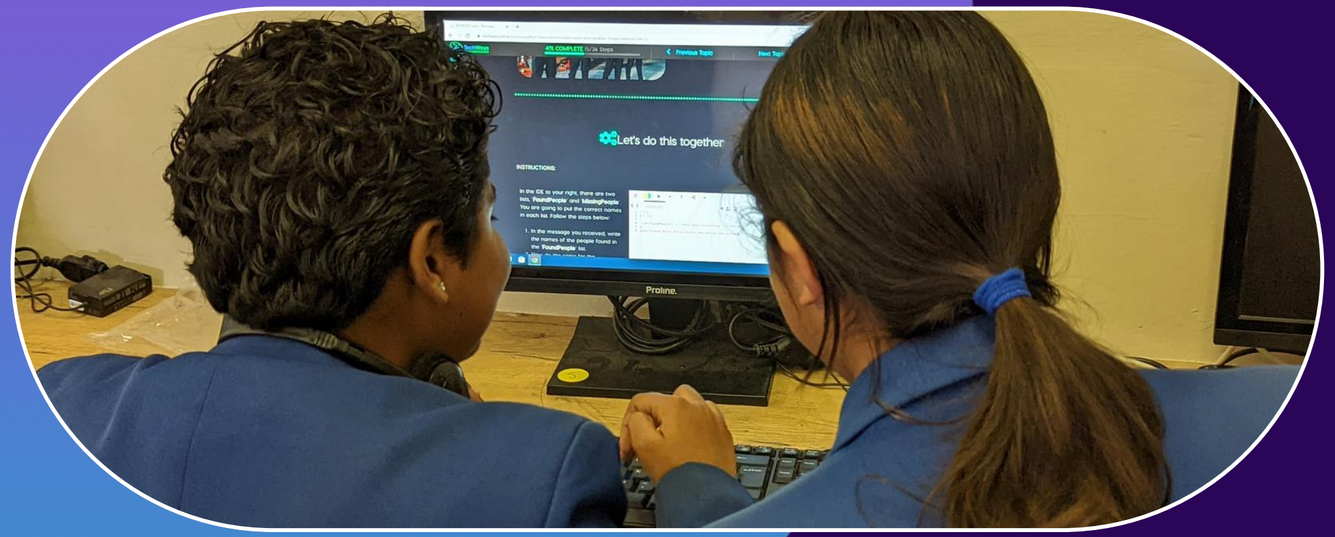
Gamified for youth



Python Basics example:
Joburg has been invaded by an Alien race called the Roaches. You're a member of the Secret Resistance, using Python to code secret algorithms to help defeat the Roaches.

TechWays
YOUR CAREER HEADSTART





EMPOWERING RURAL YOUTH

TO BECOME FREELANCE WEB DESIGNERS

6 month sponsored programme to upskill rural youth to:

- Build wordpress websites
- Sell services on Fiverr
- Improve with expert mentoring

62%
YOUTH UNEMPLOYMENT

4 MILLION
WEB DEVELOPERS: BY 2025

TechWays
YOUR CAREER HEADSTART

HEAR FROM EXPERTS

BANKING >

DONALDA PRETORIUS

“See AI as your employee who can make all of us super productive if we know how to engage with it”

TECHNOLOGY >

GREG DISELLA

“Embrace AI. Don’t fear it”

HEALTH >

PROF SUDESH

“We’re not necessarily afraid of the unknown…. Rather we are afraid of what we know of the unknown”

TERTIARY >

PROF HABIB
And PROF REICH

“Let’s focus on our human secret sauce and shift away from boring mundane tasks”

Donalda

Financial sector

Already 10+ years into AI journey

Robotic Process Automation software automates multiple steps from multiple programmes

- Credit approval process
- Fraud detection process
- Basically anything digital

AI will remove the menial and boring

TechWays
YOUR CAREER HEADSTART

Sudesh Sivarasu

Discussion Question

What **new skills** do you think will be most important for future learners to succeed in a workplace increasingly influenced by AI?

Conversely, what **existing skills** might become less crucial?

TechWays
YOUR CAREER HEADSTART

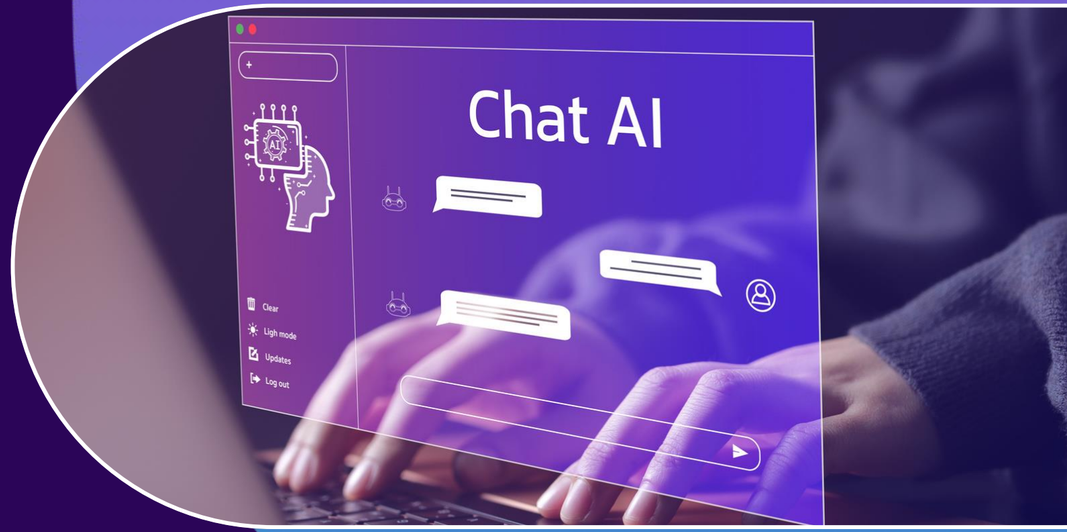
FOR LEARNERS?

Willingness to learn and be agile

Use it!
Do Projects with it.
Speak to people in their chosen fields
Do courses on it.

EVERY future job will work alongside AI, See AI like a new employee that we can't get rid of…..we need to learn it's strengths and weaknesses and how we can leverage it for our aims.

EVERY future job will constantly be changing
Needs a willingness to continuously learn and be agile



TechWays
YOUR CAREER HEADSTART

Discussion Question

Share practical examples of how you've either begun integrating AI or modifying your existing practices in these areas

- Assessments, Assignments, Projects
- Admin, reports
- Classroom experience and content generation
- Other?

TechWays
YOUR CAREER HEADSTART

AI for Teachers

My goal today

Learn more about Generative AI

Improve prompting skills

Be inspired by AI

Start using new AI tools

Liezel Nicholas

Deeply passionate about empowering teachers with AI tools. Recently launched AI for Teachers.

As a VJAL certified AI trainer, our goal is to expose one million people to the potential of AI.

What is Generative AI?

Generative AI is a type of artificial intelligence technology that can produce various types of content, including text, imagery and audio based on patterns it learns from large datasets

Think ChatGPT, Claude, MidJouney and DALL-E.

ChatGPT

DALL·E 2

Rapid Change

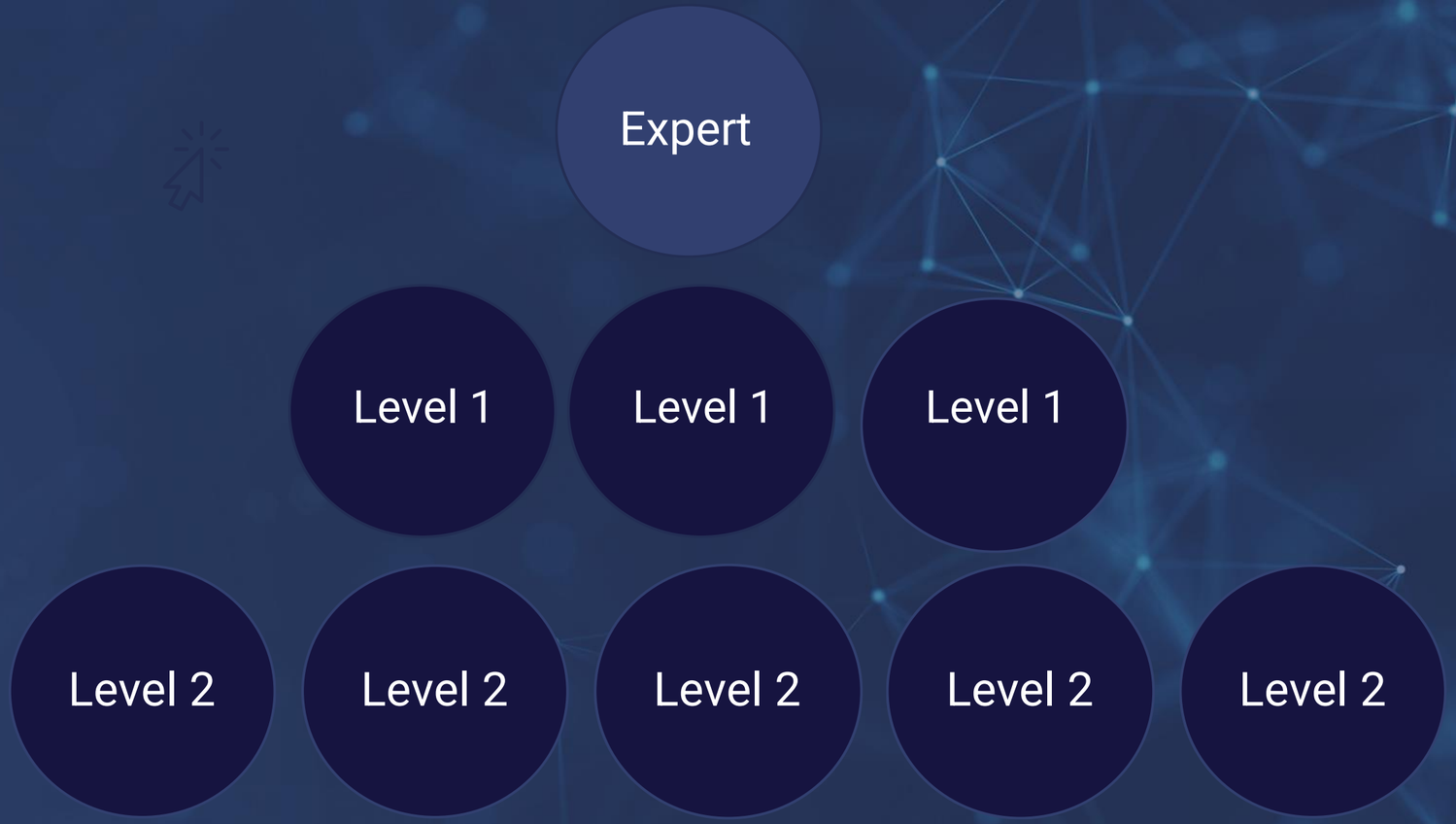
Remember when the internet came out? We had years....

With AI it feels like everything changes in a second..and it does!

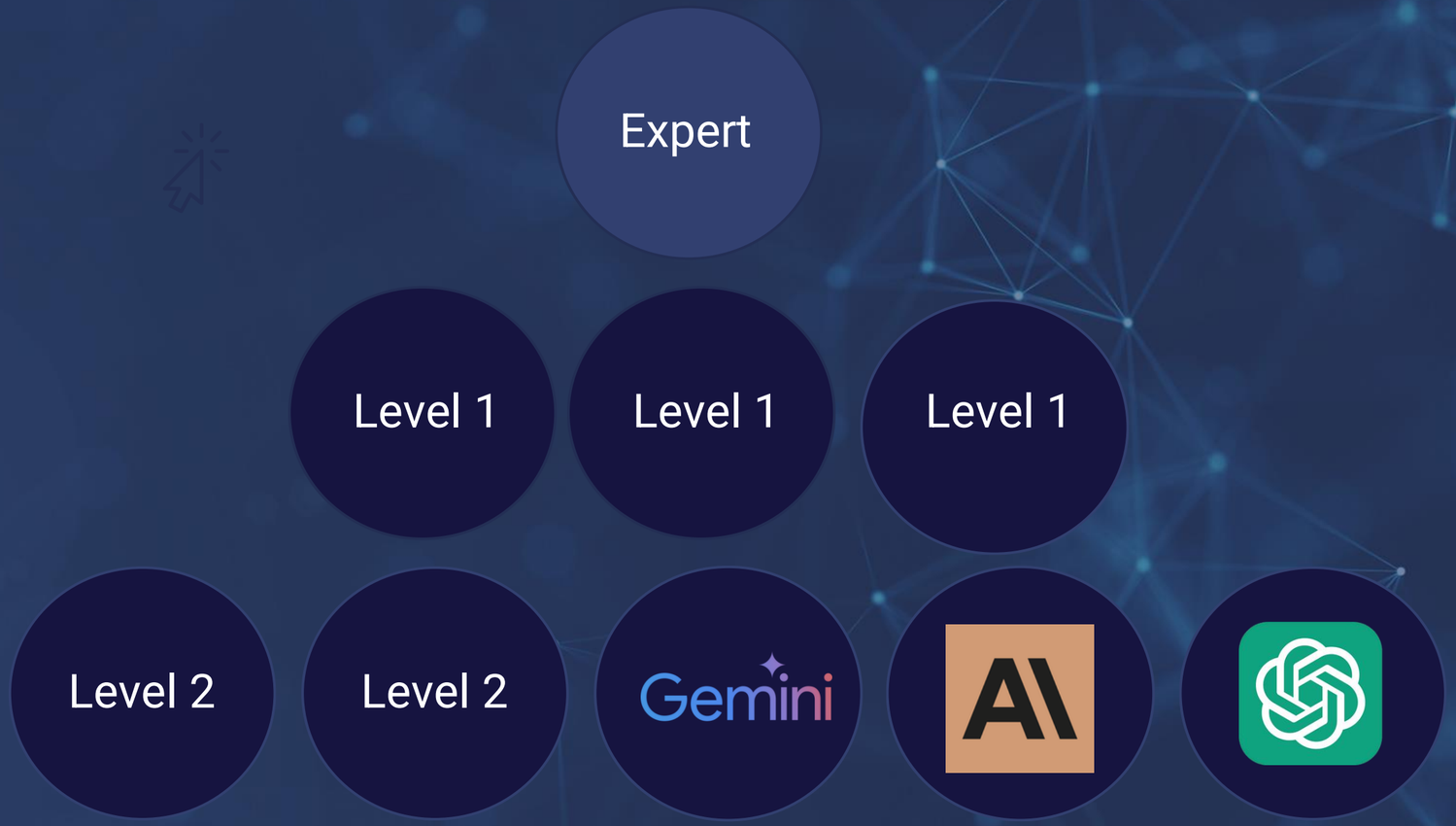
Big Tech Companies all want to compete...

Where does ChatGPT get its data from?

TYPICAL 21ST CENTURY ORGANISATION

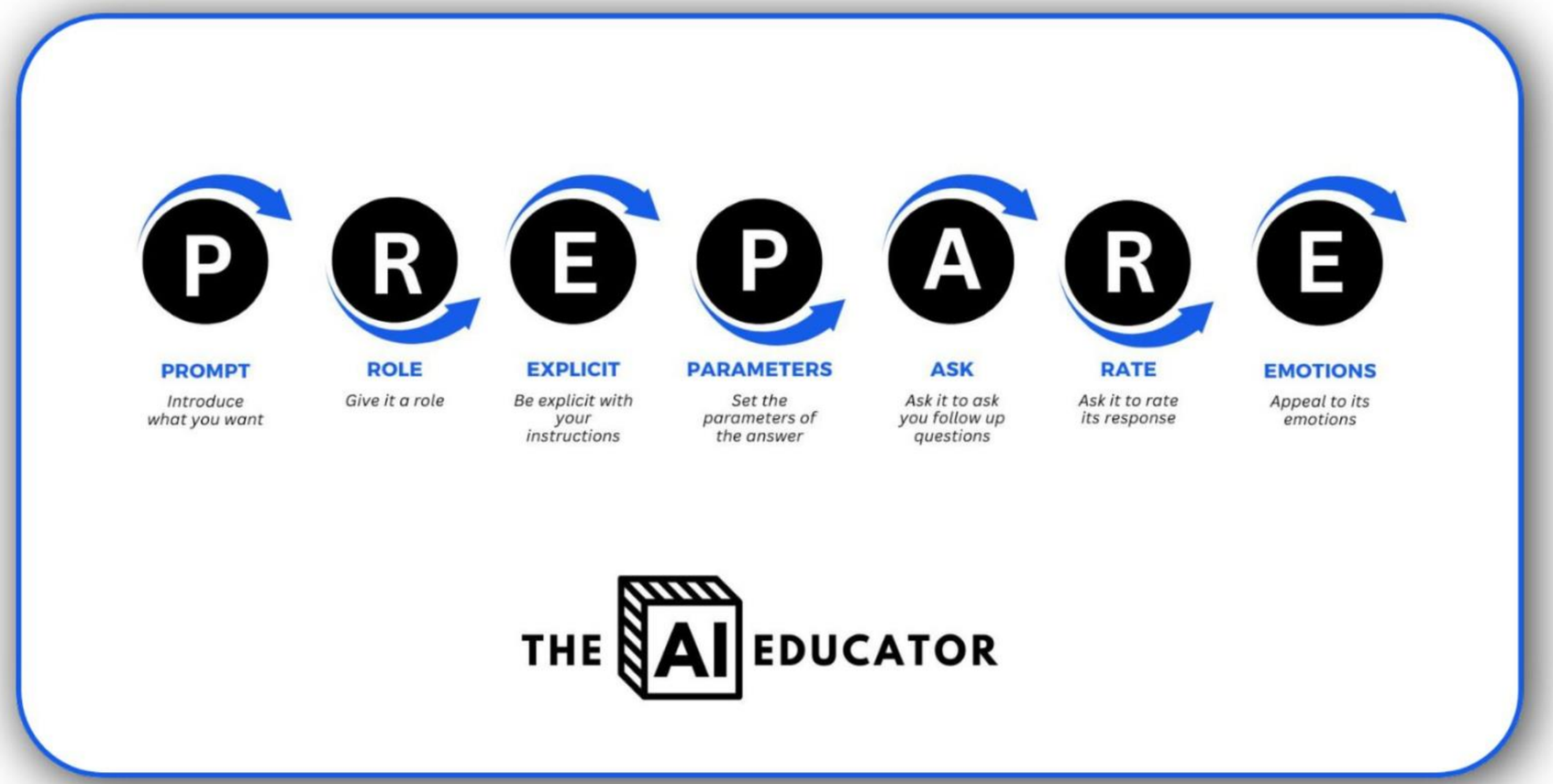


TYPICAL 21ST CENTURY ORGANISATION



It’s all about the prompt!

Prompt Structure



P

Prompt: Start with a clear question. Provide a stage for what follows.
For example, “Write a summary about the latest AI trends in education.”

R

Role: Give the AI a role and outline the context.
For example, “You’re an education expert analysing the AI trends.”

E

Explicit: Be specific in your question to avoid misunderstandings.
For example, “In the summary, mention how AI can contribute to personalized learning.”

P

Parameters: Set clear frameworks such as tone of voice and the format of the output.
For example, “Use an informative tone and keep the summary under 300 words.”

A

Ask: Ask the AI to ask you clarification questions before it continues.
For example, “Ask me some clarification questions first, and then answer.”

R

Rate: Ask the AI to rate its own output.
For example: “Give the summary a rating based on 0-10 points, and indicate what could be improved.

E

Emotion: Add an emotional stimulus. This appears to be able to increase quality.
For example: “Breathe in, and breathe out. Try to really do your best. It’s important to me.

Take this task one step at a time, and explain your thinking steps.

Tips and Tricks #1

- Be polite and remember your manners
- It is a reflection of your personality
- Outcomes are better when you are kind

Tips and Tricks #2

- Copy and Paste (PDF/CSV)
- ### to separate instruction from text
- Use your own data (powerful)

Tips and Tricks #3

- Just like a puppy - eager to please.
- Be specific (think of your husband/child/parent)
- Don’t use words like honest and transparent

Tips and Tricks #4

- Keep document with personas and prompt
- New chat for each task
- Privacy

Presentations

Student Engagement

Ideas for Lesson Plans

Presentation

Gamma

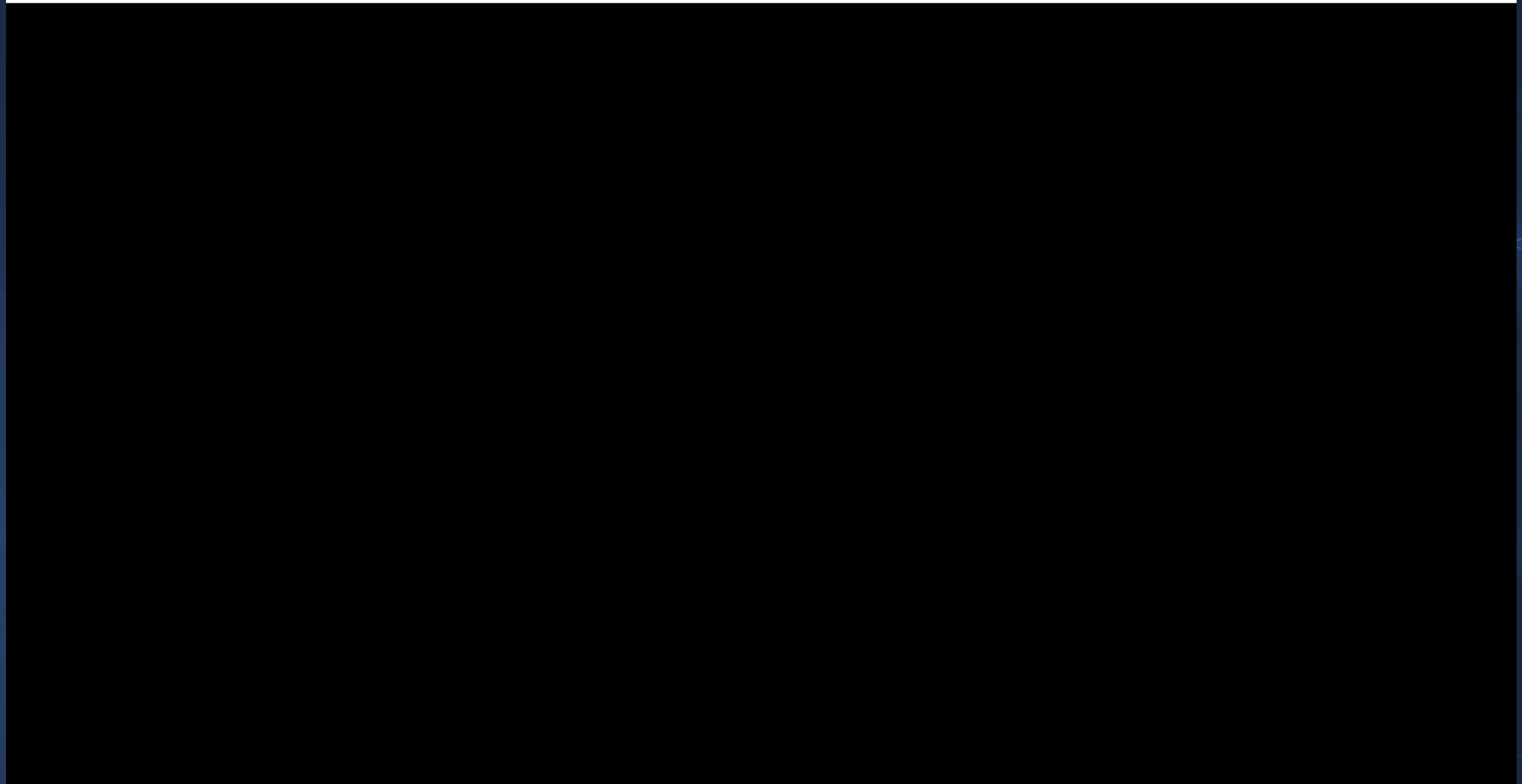
Student Engagement

Suno

Ideas for Lesson Plans

Diffit

AI tools - presentations



AI Tools - Suno

AI Tools - Diffit

Q and A

ASK AWAY!

INFORMATION OVERLOAD!

With the frenetic pace, everyone is suddenly telling you what to use.

Start small - if you ever only use GPT, it’s a huge win.

You don’t need to become an AI expert to benefit from AI.

AI....Curious / Serious or Furious?

AI for Teachers...we are here to help

Get in touch

079 350 9658
hello@aiforteachers.co.za
aiforteachers.co.za

GET IN TOUCH WITH US

Email Address
info@techways.online

Website
www.techways.online

TechWays
YOUR CAREER HEADSTART