

# Artificial Intelligence in the CLASSROOM

Majid Buledi, PhD  
Instructional Technologist  
Teacher Trainer & Author



AI

ChatGPT

About

You?

Technology  
in Teaching

Majid Buledi

mbuled@outlook.com

## Things to discuss!

- What we *know about AI and technology models*
- The process of *developing, designing and integrating ChatGPT and the similar apps* in Teaching

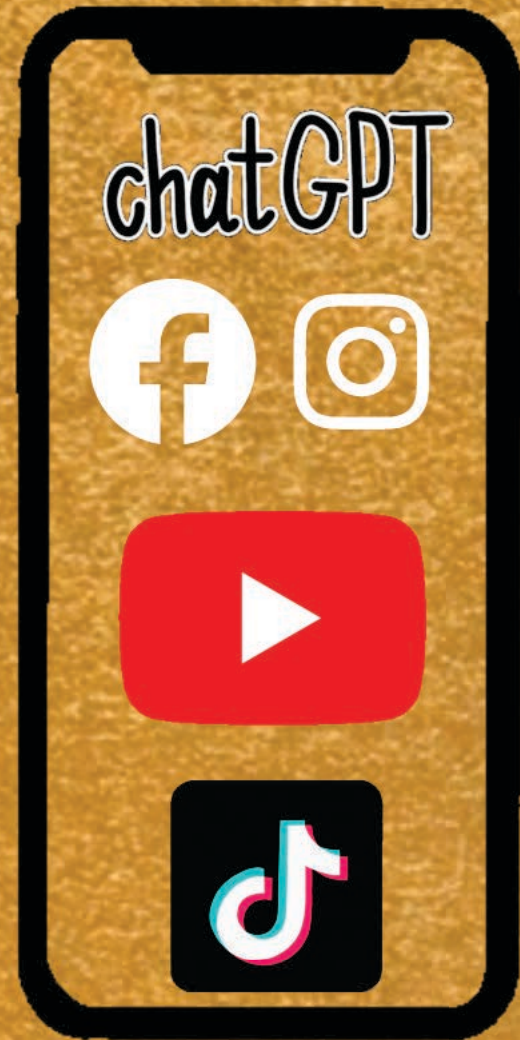
Insight

Insight

PD

## **Insight!**

In 2023, the number of smartphone users in the world is **6.92 Billion**, which translates to **86.34%** of the world's population owning a smartphone  
(Bankmycell, 2023)



## Things to discuss!

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Insight

Insight

PD

## Kuwait Population:

4.35 million in January 2022

4.31 million internet users  
in Kuwait in January 2022.

(Dataportal, 2023)



## Things to discuss!

- What we *know about AI and technology models*
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Insight

Insight

PD

**What do we mean by  
pedagogical digital  
competence?**



PG

**Professional Competence**  
**Pedagogic Competence**  
**Attitudinal and Ethical Competence**



What do we mean by  
**pedagogical digital  
competence?**



PG

## Things to discuss!

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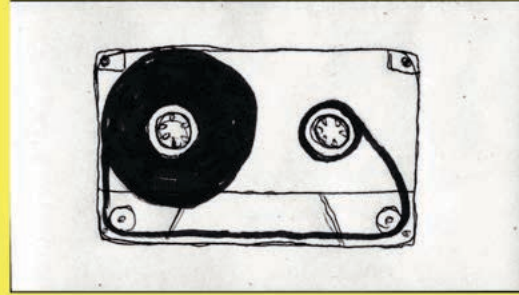
Technology  
in Teaching

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# **Technology Immigration!**

The classroom

**Insight:**



**You are a kid from 90s  
- a digital immigrant!**

**Your  
time!**

**Modern  
Classroom**

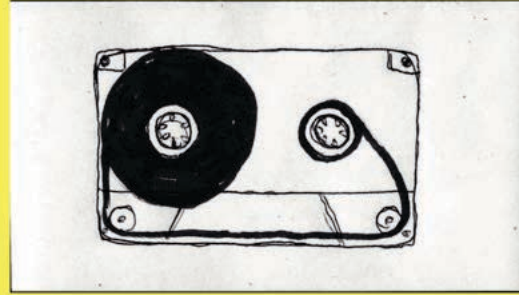
**Paperless**



#APBio



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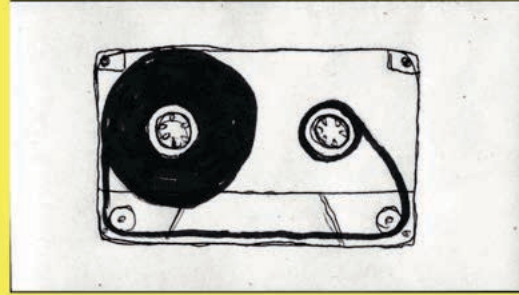


# Happy Education Technology Day!



**EVERISE**

**Insight:**



**You are a kid from 90s  
- a digital immigrant!**

**Your  
time!**

**Modern  
Classroom**

**Paperless**

 **Insight!**

**Yesterday  
Today &  
Tomorrow**

Yesterday  
Today  
Tomorrow

Yesterday  
Today  
Tomorrow

Yesterday's literate person:  
write a letter, a report, essays...

Today's literate person: writes  
an email, a blog, powerpoint,  
makes videos, plays VR games....

Tomorrow's literate person will:  
write a program, work in VR  
communities, get degrees without  
physical universities?



 **Insight!**

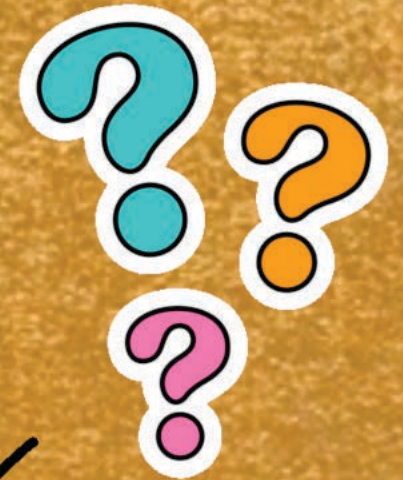
**Yesterday  
Today &  
Tomorrow**

Yesterday  
Today  
Tomorrow

Yesterday  
Today  
Tomorrow

## Paperless schools, colleges and universities flourish!

Billions in potential savings.  
Making data readily accessible  
Accelerated business processes.  
Stronger document security and  
compliance.



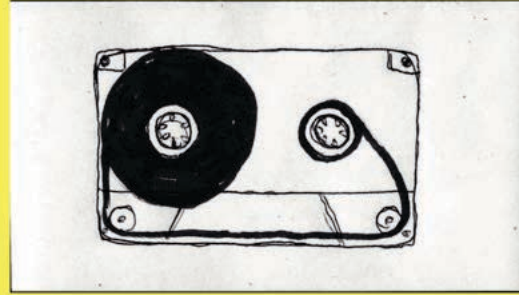
 **Insight!**

**Yesterday  
Today &  
Tomorrow**

Yesterday  
Today  
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Yesterday  
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Tomorrow

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**Your  
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**Modern  
Classroom**

**Paperless**



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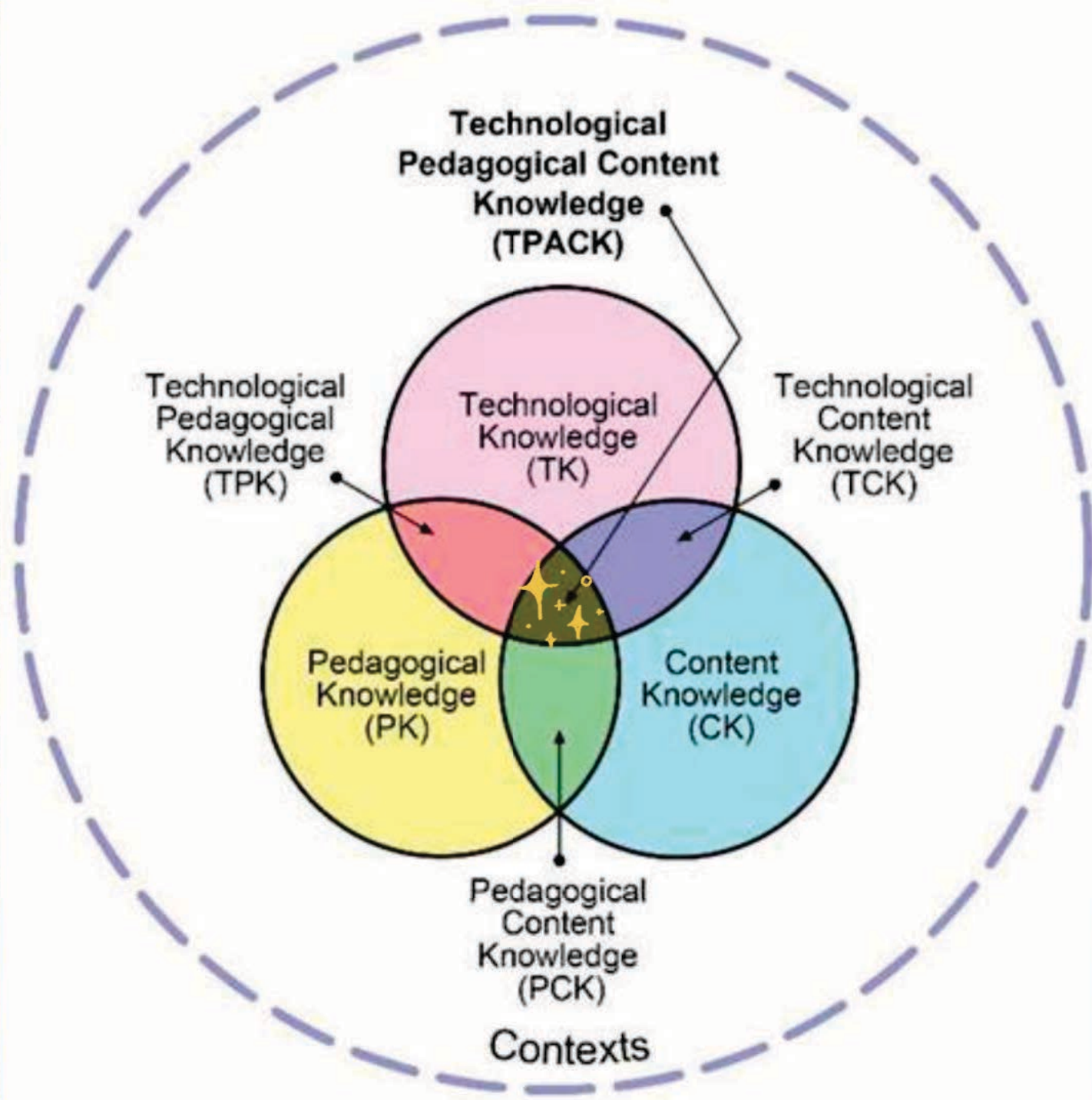
# Technology Models

2

TPACK

TPACK  
&  
SAMR

SAMR



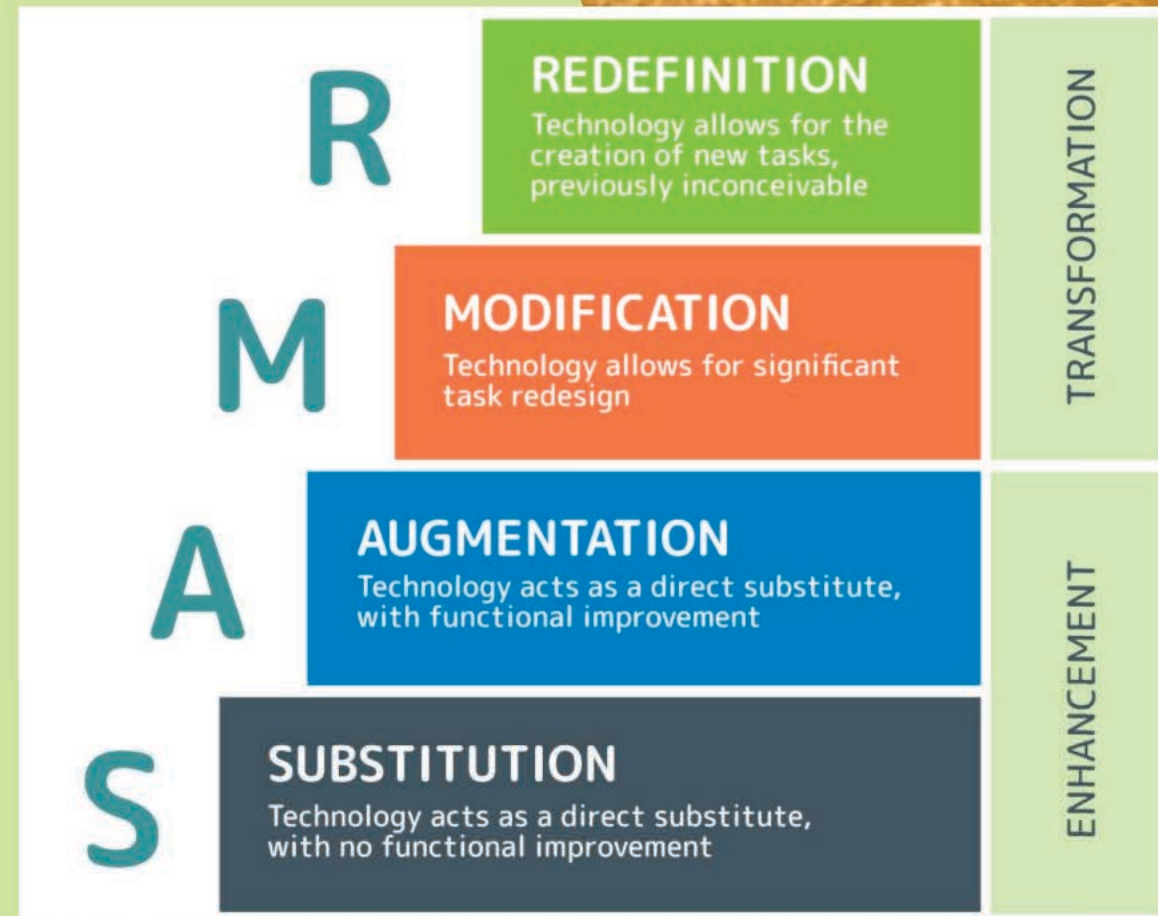
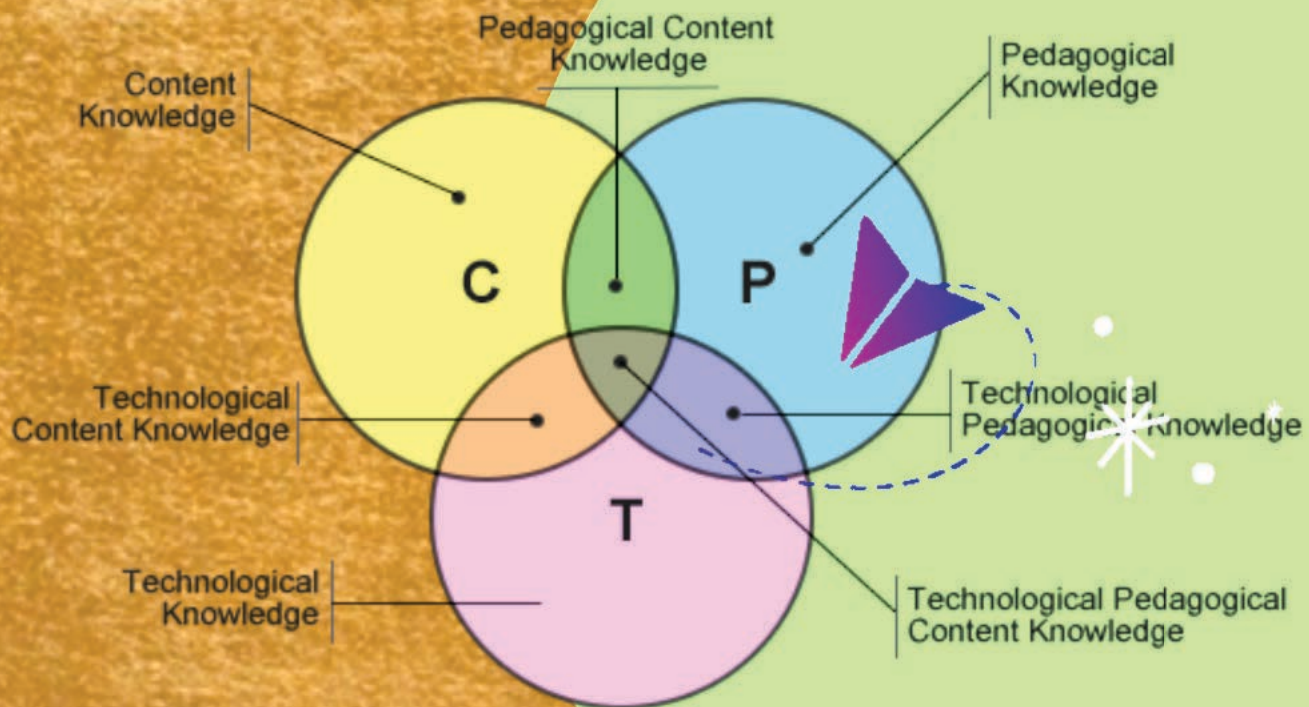
# Technology Models

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SAMR

SAMR



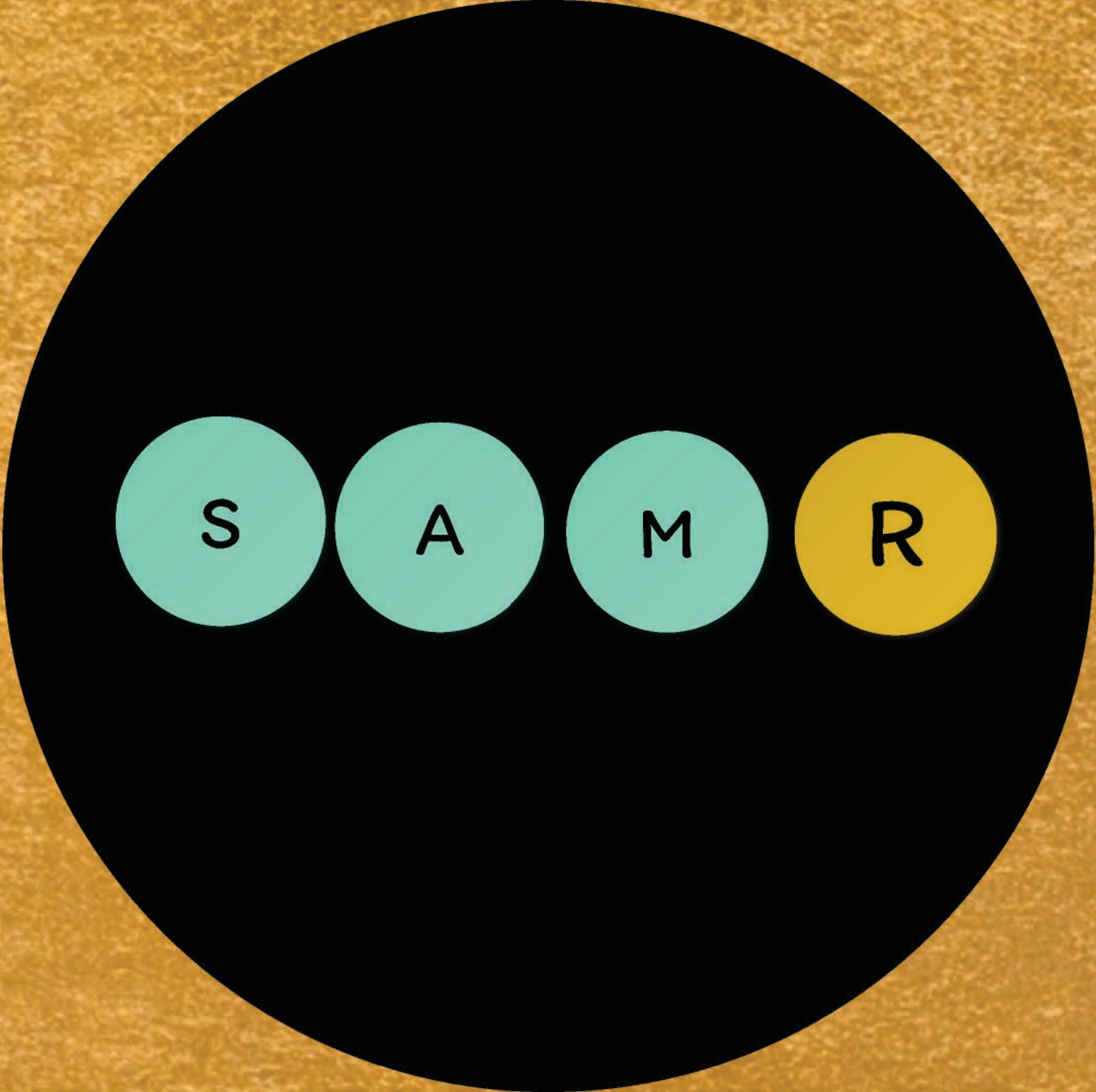
# Technology Models

2

TPACK

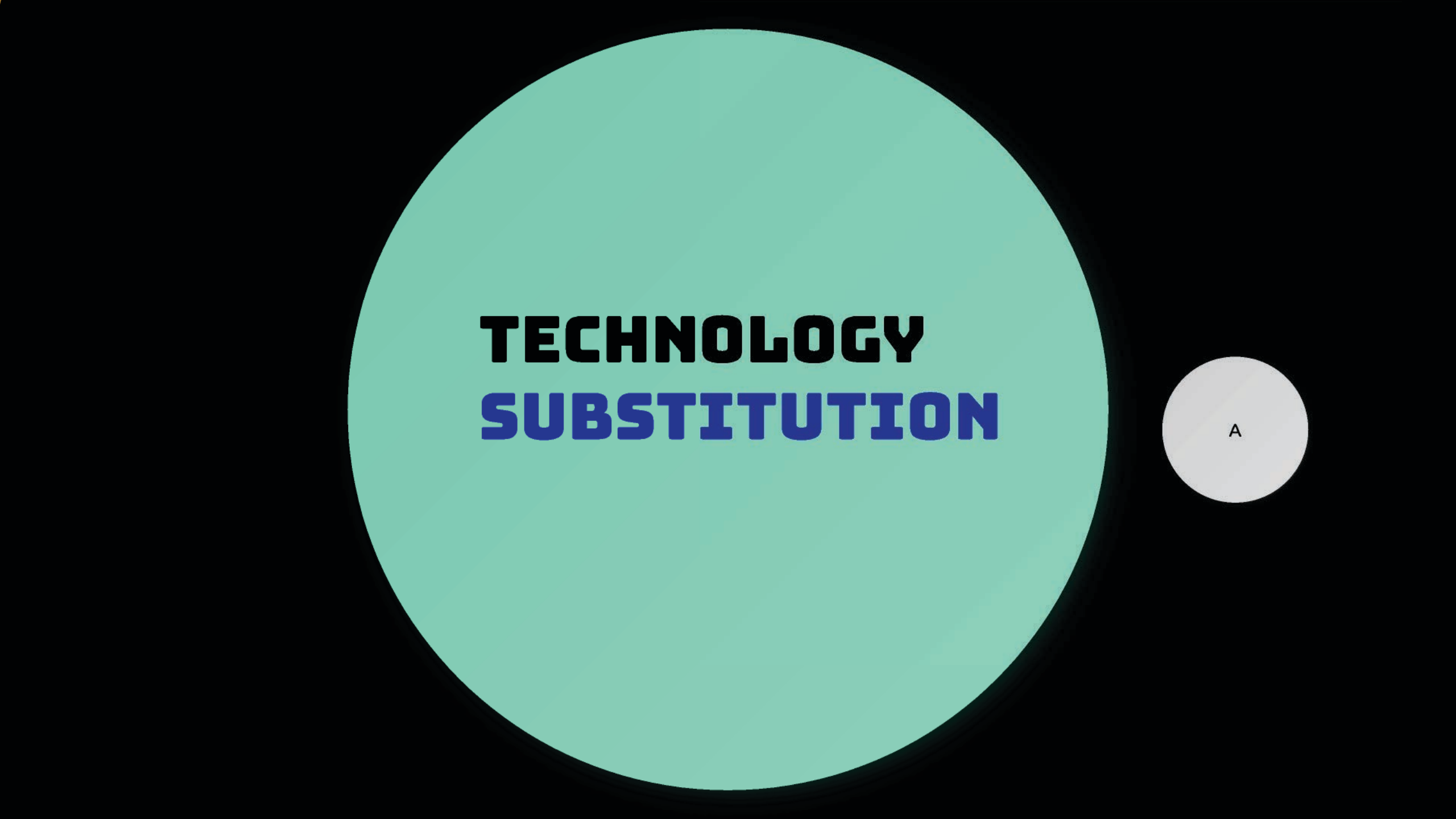
TPACK  
&  
SAMR

SAMR



S A M R



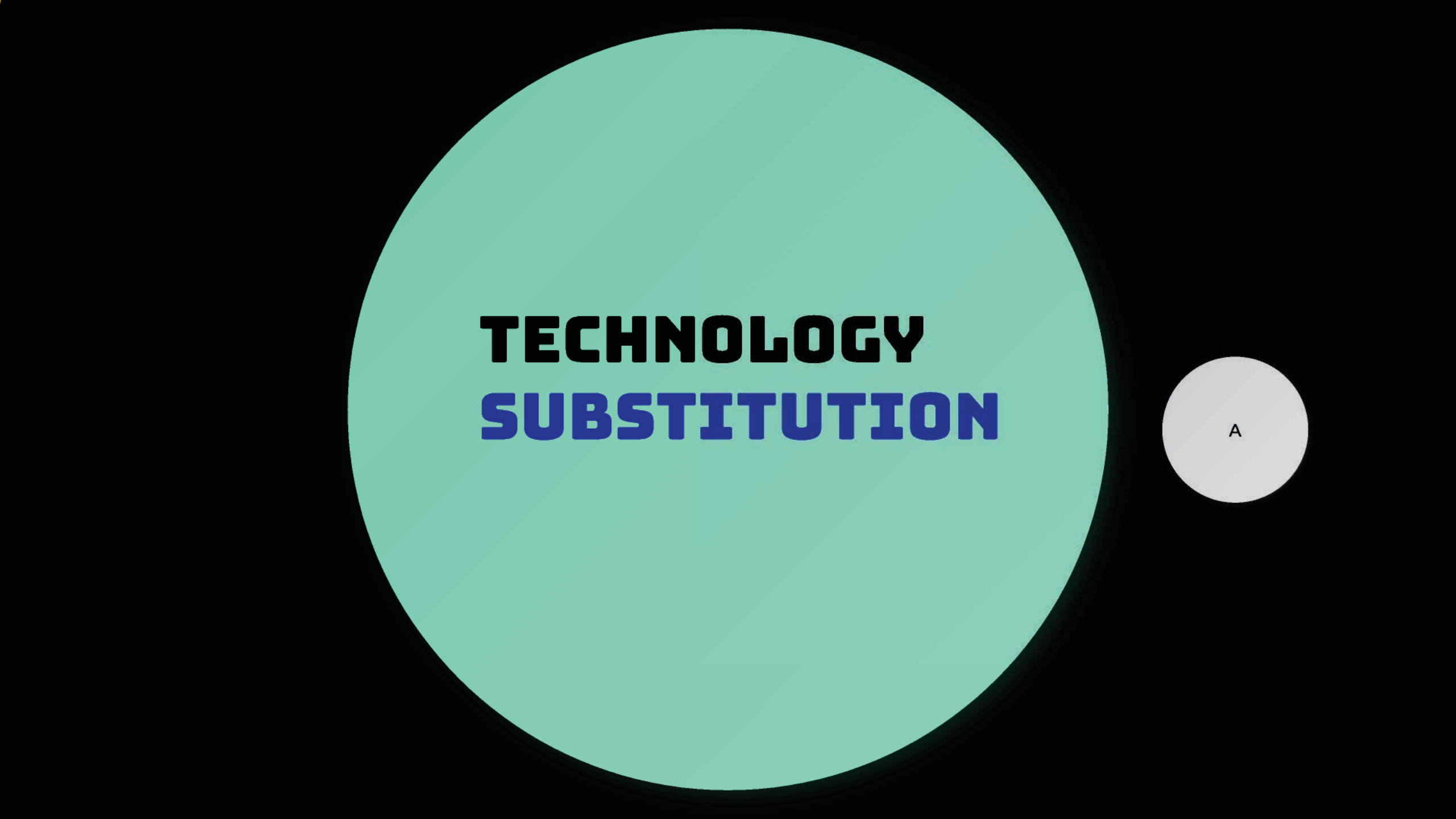


**TECHNOLOGY  
SUBSTITUTION**

A

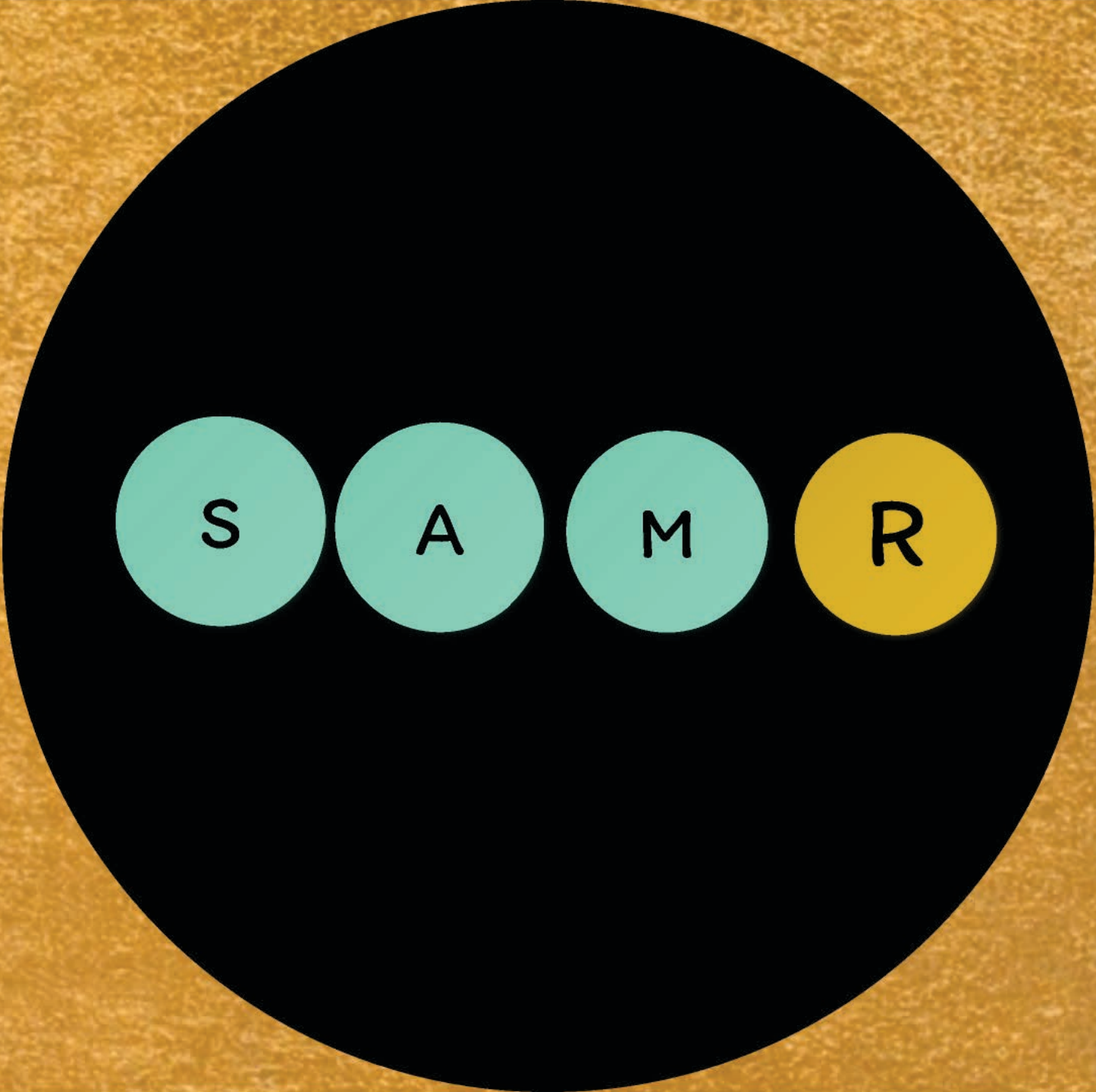
# Simple Present Forms

# Simple Present Forms



**TECHNOLOGY  
SUBSTITUTION**

A



S A M R



**TECHNOLOGY  
AUGMENTATION**

Video



Captain America



2/0

Streak

2

2nd

960

+600



Captain America



Music on

bdcamsetup (T).exe

Show all

Type here to search

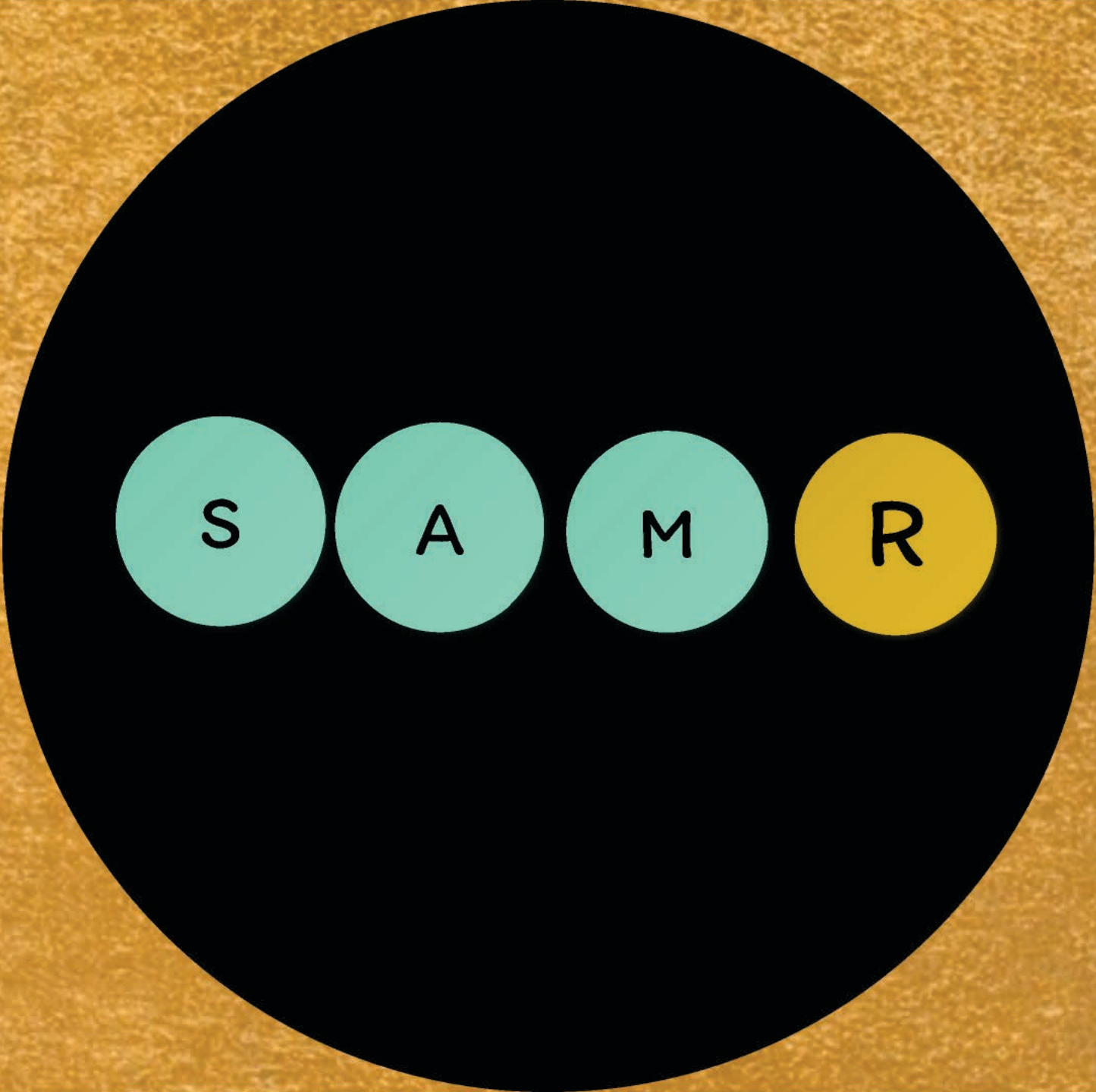
Taskbar with icons for various applications including Microsoft Edge, File Explorer, Mail, and others. System tray shows the time as 6:43 PM on 17/9/2020 and the language as ENG.





**TECHNOLOGY  
AUGMENTATION**


Video



S A M R



**TECHNOLOGY  
MODIFICATION**



Video



00:09

07:29



1803 other video versions

Lucia Castineira

06:32 15

grosan1 grosan1

07:29 13



00:09

07:29



1803 other video versions

Lucia Castineira


06:32 15

grosan1 grosan1

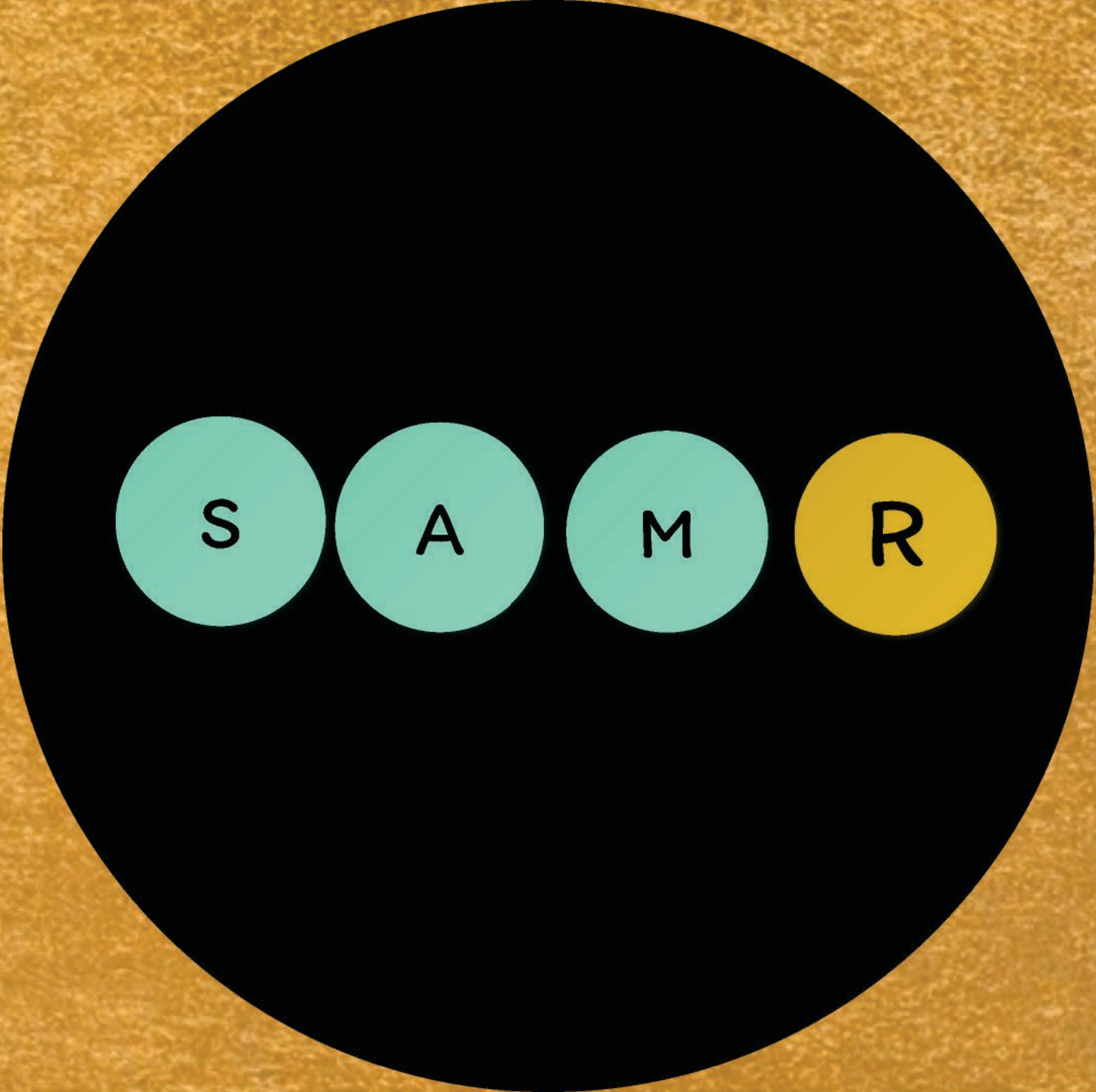
07:29 13



**TECHNOLOGY  
MODIFICATION**



Video



S A M R

# TECHNOLOGY REDEFINITION

**Ditch That  
Textbook!**

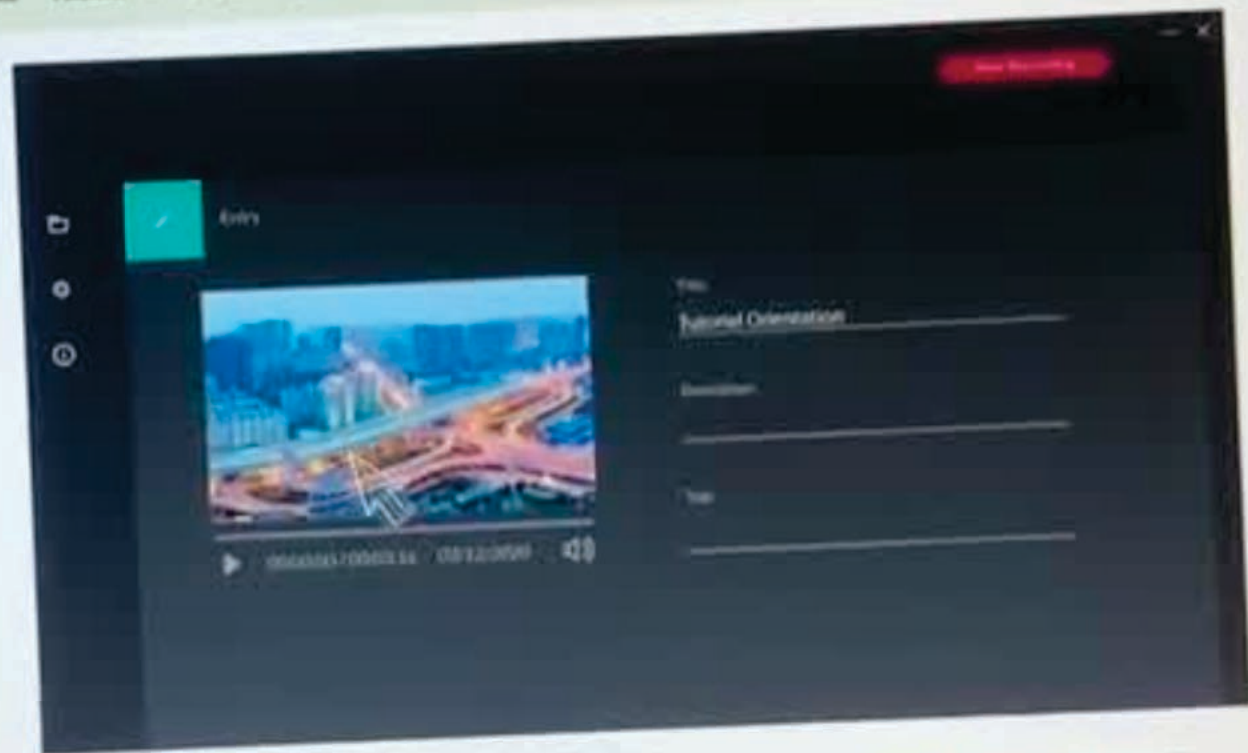




Review,  
Revise, Edit,  
Develop,  
Redesign

## VideoEditor

Home Faculty Departments Library

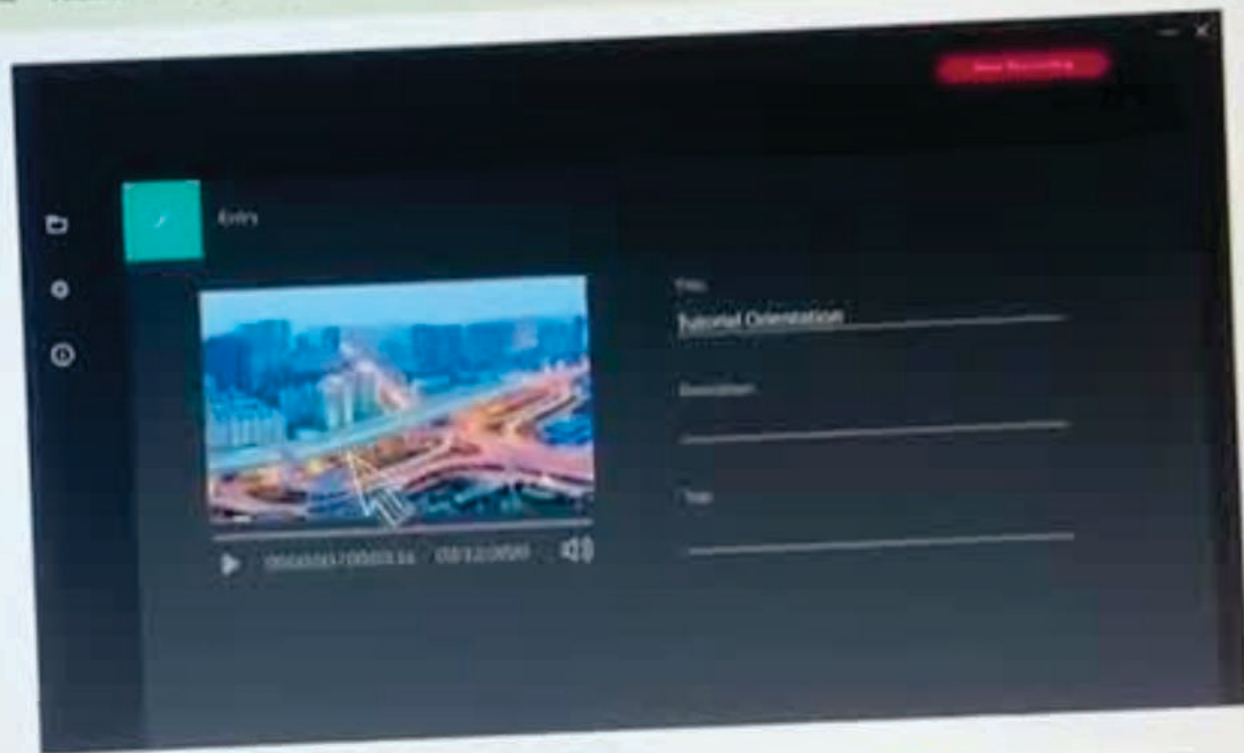


CREATED USING  
POWTOON

Review,  
Revise, Edit,  
Develop,  
Redesign

## VideoEditor

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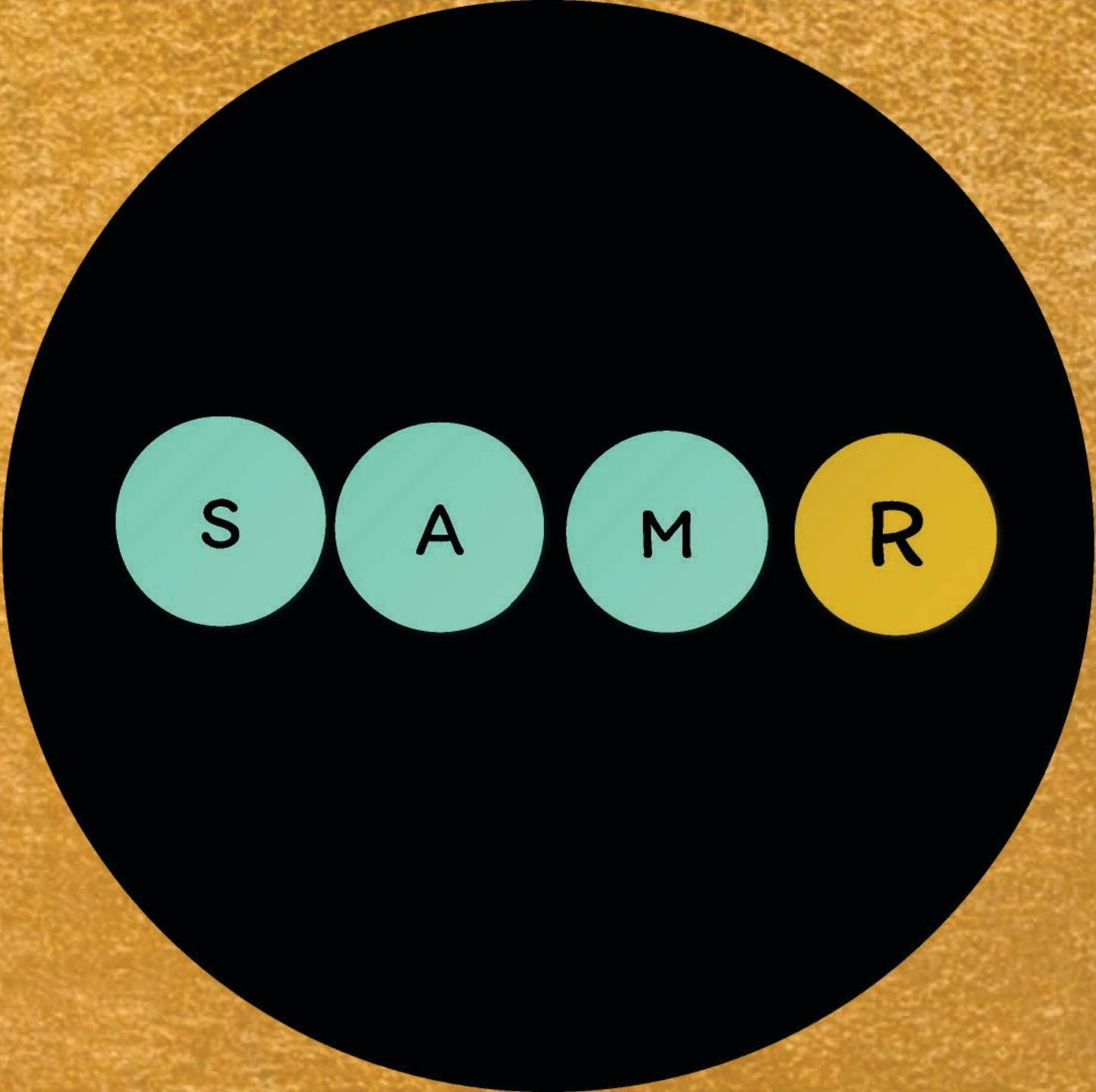


CREATED USING  
POWTOON

# TECHNOLOGY REDEFINITION

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S A M R

# Technology Models

2

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# AI & YOU

## the teacher!

### The Notorious Apps!



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6

7

US

Bonus

B

A

ChatPDF



**AI Apps**  
in pedagogy



**AI** is the theory and development of computer systems **capable of performing** tasks that require **human intelligence**.



# AI Apps in pedagogy

**Hundreds of Apps**  
already created, and  
increasing daily....



**AI Apps**  
in pedagogy

**Quizizz**

**Plickers**

**Kahoot**

**Edpuzzle**

**Notion.ai**

**AI glasses**

**Robots, cars...**



**AI Apps**  
in pedagogy

**Smart Learners demand  
smart teachers!**

**Technology impact on  
tasks!**



**AI Apps**  
in pedagogy



**Smart Learners demand  
smart teachers!**

**Technology impact on  
tasks!**



# AI Apps in pedagogy



**Things you can do using  
AI tools!**

**Anything and  
everything....**

## Ask PDF

Generate tests, books, lessons, lesson plans, schedules, trainings, simplify info, bulleted, learn from mistakes, formats, presentations, formal and informal....never-ceasing possibilities....

The ideas you have.... are already been developed and in practice somewhere....



**Things you can do using  
AI tools!**

**Anything and  
everything....**



**AI Apps**  
in pedagogy

# AI & YOU

## the teacher!

### The Notorious Apps!



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US

Bonus

B

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ChatPDF

# Writing Skills

1





# **Writing**

**Creative Writing**

**Prompts**

**Sentences**

**Paragraphs**

**Essays**

**Passages**

**Quizzes**

**Research Papers**

**Anything you want!**

Example

Example

Example

Example

## ⚠ Limitations

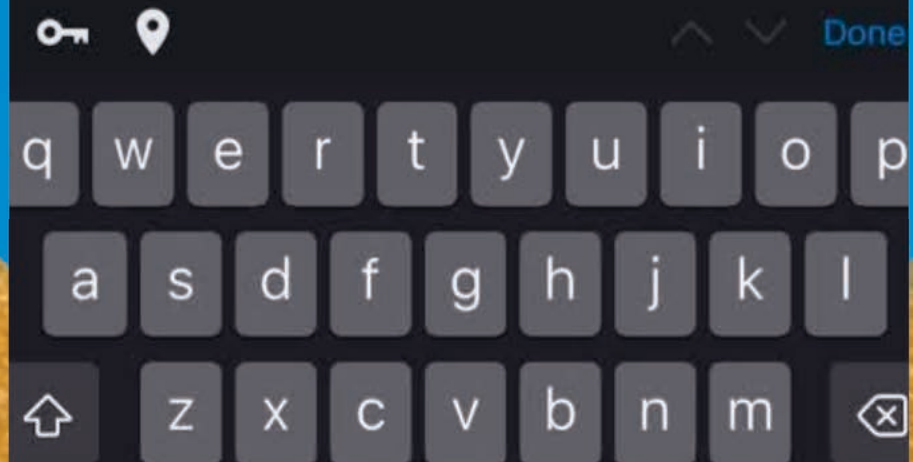
May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

Write a paragraph of around 100 words for pre intermediate learners of English. Make errors for learners to correct, errors in

[ChatGPT Mar 14 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.



## ⚠ Limitations

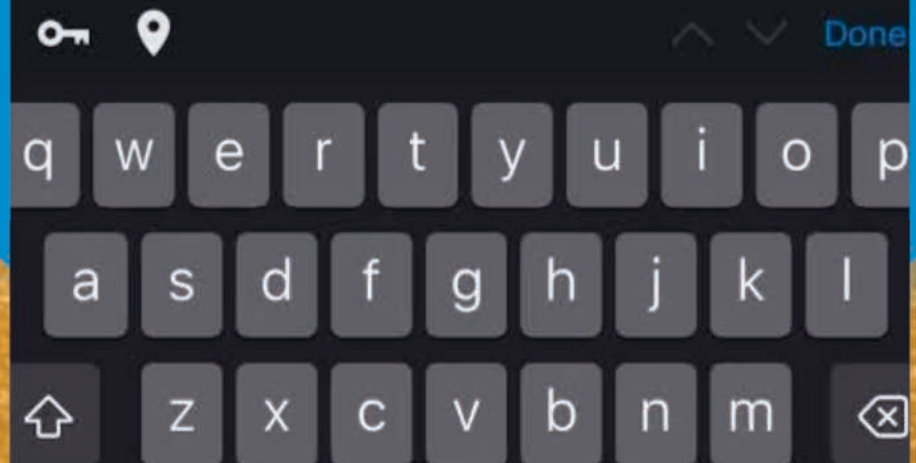
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**Anything you want!**

Example

Example

Example

Example

11:55



chat.openai.com



English Learning Assistance



Greetings, esteemed members of this assemblage! I, ChatGPT, have been summoned to proffer my assistance in your mastery of the English language. May your present disposition be of felicitous nature. It has come to my understanding that the acquisition of English may present certain difficulties, but its significance cannot be gainsaid. I shall exert my utmost faculties to address your inquiries and facilitate the acquisition of linguistic proficiency. Pray, do not be reticent in enquiring, irrespective of its intricacy, as we shall embark upon a voyage of learning in tandem. Trusting that our joint endeavor will be one of edification and amusement.



[ChatGPT Mar 14 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.



12



11:55



chat.openai.com



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12



# **Writing**

**Creative Writing**

**Prompts**

**Sentences**

**Paragraphs**

**Essays**

**Passages**

**Quizzes**

**Research Papers**

**Anything you want!**

Example

Example

Example

Example

12:14



chat.openai.com



1. tkcae (Corrected: took)
2. dsare (Corrected: dared)
3. wreote (Corrected: wrote)
4. slean (Corrected: cleaned)
5. eptlayd (Corrected: played)
6. flet (Corrected: felt)
7. ndaew (Corrected: dined)
8. aughtc (Corrected: caught)
9. edrni (Corrected: dressed)
10. ughtobt (Corrected: bought)



Write



[ChatGPT Mar 14 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.



Done

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

123

space

return





12:14



chat.openai.com



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Write



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Done

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

123

space

return



# **Writing**

**Creative Writing**

**Prompts**

**Sentences**

**Paragraphs**

**Essays**

**Passages**

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**Research Papers**

**Anything you want!**

Example

Example

Example

Example



perseverance can help us get through it. They also learned that it's important to be prepared for emergencies, such as having emergency supplies and knowing what to do in case of an earthquake.

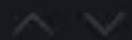
Despite the scary experience, the family was happy to be alive and safe. They hugged each other and were thankful for being together.



Write prompts of this story for intermediate learners to w



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Done

q w e r t y u i o p

a s d f g h i k l



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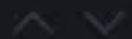
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**Anything you want!**

Example

Example

Example

Example

# Writing Skills

1



# AI & YOU

## the teacher!

### The Notorious Apps!

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Bonus

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ChatPDF

# Reading Skills

1

2





**Generating**

**Reading Passages**

**Stories**

**Level-specification**

**Prompts**

**Questions**

# Reading Skills

1

2



**How Students  
can/should  
use ChatGPT  
to improve  
graded  
reading**

Example



enhancing the learning experience, making it more engaging and dynamic for students. However, it is important to teach students how to use technology responsibly and safely, and to be aware of the potential impact it can have on their lives. By incorporating technology in the classroom, students are able to develop essential digital literacy skills that will be required in the future.



make the above paragraph





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**How Students  
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Example

# Reading Skills

1

2



# AI & YOU

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### The Notorious Apps!

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Bonus

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# Listening & Speaking Skills

1

2



**Generating**

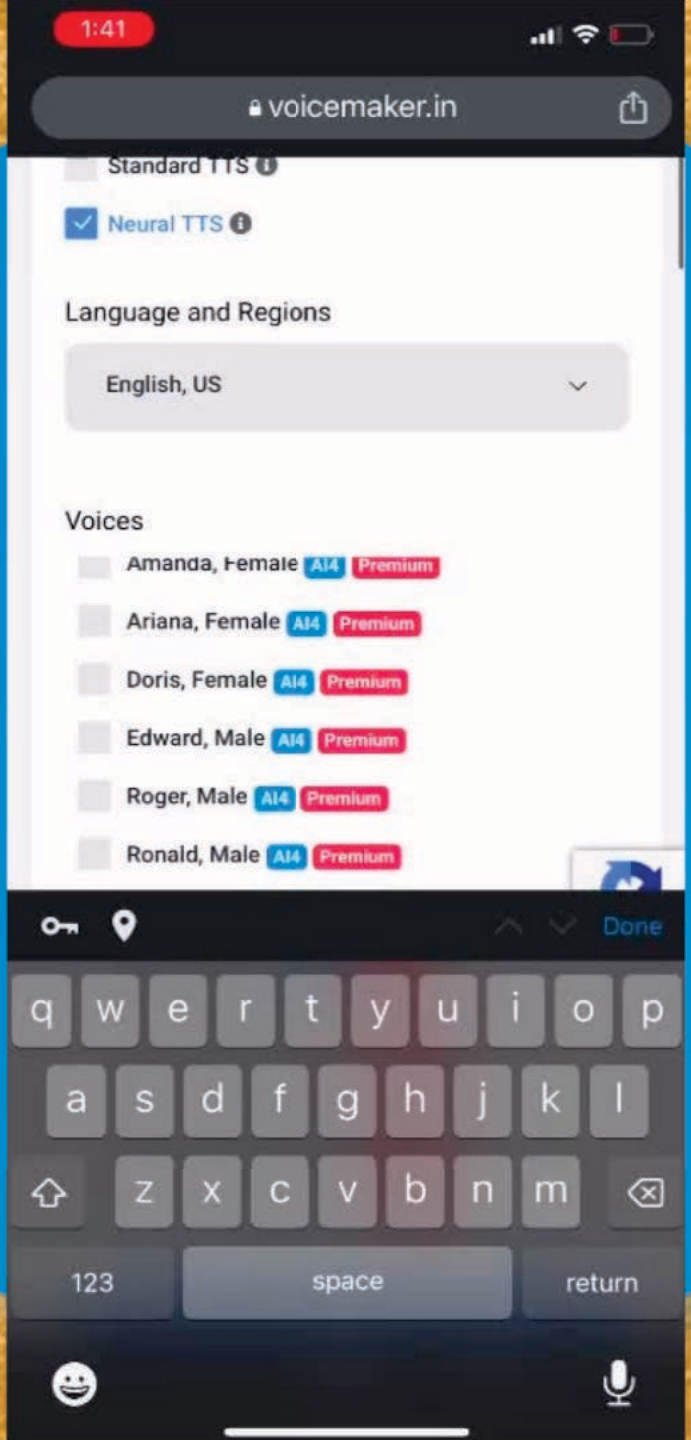
**Listening Dialogues/  
Passages**

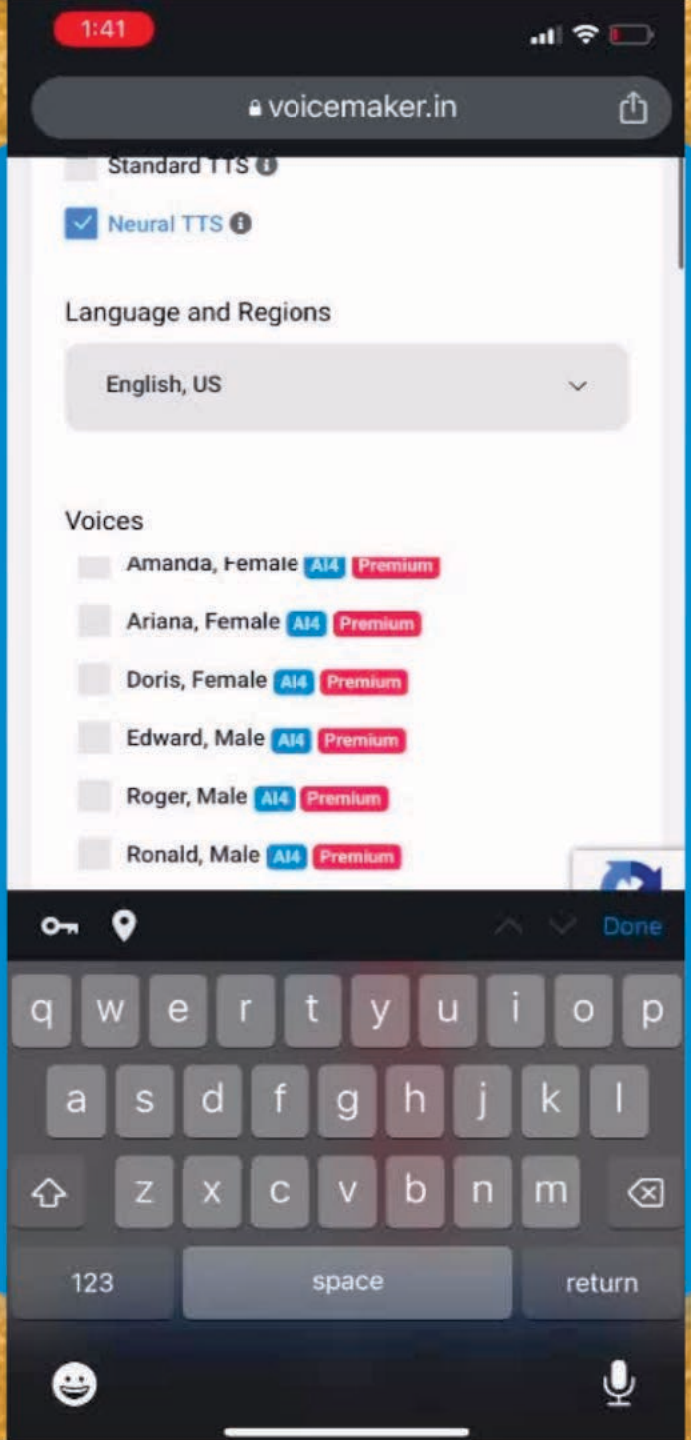
**Stories**

**Level-specification**

**vocabulary etc**

Example





**Generating**

**Listening Dialogues/  
Passages**

**Stories**

**Level-specification**

**vocabulary etc**

Example

# Listening & Speaking Skills

1

2





Write some examples of connected speech



Connected speech refers to the way that words are pronounced in natural speech, with some sounds blending into each other or changing slightly depending on the context. Here are some examples of connected speech:

1. "Can I have" -> "Canai have" (the "I" and "h" sounds blend together)
2. "Going to" -> "Gonna" (the "ing" sound changes to an "n" sound and blends with "to")
3. "What do you want" ■



Write some examples of connected speech



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# Listening & Speaking Skills

1

2



# AI & YOU

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Vocabulary/  
Grammar  
exercises &  
Assessment

1



**Generating**

**vocabulary tests**

**vocabulary quizzes**

**stories - passages etc**

Example

Example



1. The \_\_\_\_\_ weather conditions made it impossible for the climbers to reach the summit.
2. Lack of access to basic resources often leads to widespread \_\_\_\_\_ in many developing countries.
3. The company announced plans for \_\_\_\_\_ layoffs, affecting thousands of employees.
4. The city faces a growing problem of \_\_\_\_\_, with more and more people living on the streets.
5. Children suffering from \_\_\_\_\_ often require specialized medical care and nutritional support.
6. The current \_\_\_\_\_ rate is a major concern for policymakers as it affects the overall economic growth of the country.



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**Generating**

**vocabulary tests**

**vocabulary quizzes**

**stories - passages etc**

Example

Example



Write 10 words describing a bedroom



Certainly, here are 10 words that can be used to describe a bedroom:

1. Comfortable
2. Cozy
3. Peaceful
4. Private
5. Relaxing
6. Serene
7. Organized
8. Inviting
9. Personal





Write 10 words describing a bedroom



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**Generating**

**vocabulary tests**

**vocabulary quizzes**

**stories - passages etc**

Example

Example

Vocabulary/  
Grammar  
exercises &  
Assessment

1



# AI & YOU

## the teacher!

### The Notorious Apps!

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Bonus

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ChatPDF

# Plagiarism Checker

1



## Excerpts from Think and Grow Rich Part 1

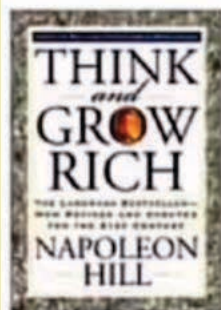
Mark Zaifman | Wed, May 05, 2010 @ 11:49 AM



Tweet



Share



How many of you reading this blog have read **Think and Grow Rich**, written by Napoleon Hill? I heard about the book many times and honestly had the wrong impression of it. Perhaps it was the word rich in the title that troubled me or maybe I thought it was a get rich quick book like many others that end up only making the author rich. Either way, what a gem of a book this is.

Think and Grow Rich was first published in 1937 at t

## Excerpts from Think and Grow Rich Part 1

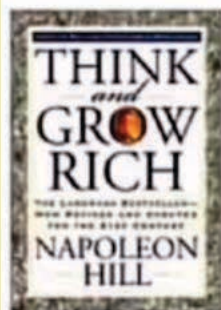
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Share



How many of you reading this blog have read **Think and Grow Rich**, written by Napoleon Hill? I heard about the book many times and honestly had the wrong impression of it. Perhaps it was the word rich in the title that troubled me or maybe I thought it was a get rich quick book like many others that end up only making the author rich. Either way, what a gem of a book this is.

Think and Grow Rich was first published in 1937 at t

# Plagiarism Checker

1





# AI & YOU

## the teacher!

### The Notorious Apps!



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# Translation

1





Trained to decline inappropriate requests

### Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

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على الرغم من عدم توفر العديد من اللغات الآسيوية في  
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# Lesson Plan

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Write a lesson plan of 40 minutes, English language, past simple, basic level, anticipated pro



[ChatGPT Mar 14 Version](#). Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.



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- Use action verbs to describe your experience (e.g. "managed," "coordinated," "created," etc.).
- Tailor your resume to the job you're applying for by including relevant skills and experience.
- Proofread carefully to ensure there are no spelling or grammatical errors.

Good luck with your job search!





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Good luck with your job search!



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ask about this PDF file:

- What other words can be formed using the root word "acu"?
- Can you provide more examples of words that use the root word "amb"?
- How can understanding root words and word formation help improve my vocabulary?

Words wit



Done

q w e r t y u i o p

a s d f g h j k l

⏪ z x c v b n m ⏩

123

space

return



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Literature Search

Elicit

Elicit



Connected Papers



Research Rabbit

Writing Assistants

G Bard

Bard

wordtune

WordTune



Poe

Grammar & Paraphrasing



Quillbot



Grammarly



PaperPal

Citations



Mendeley



JabRef



Zotero

Illustrations



BioRender



Canva



Diagrams

Data (Quantitatives)



Polymer



Akkio



MonkeyLearn

Data (Qualitatives)



ATLAS



Lumivero



Otter

Presentation



Tome



Prezi



Slideai

Excel



Excellly



Ajelix



Alexcelbot

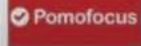
Productivity



Trello



Notion



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## AI Tools for Teachers

Lesson Planning	    
Marking / Report Writing	    
Admin and organisation	   
Adaptive tools	    
Personalised Learning	    
Chat bots	   
Creativity	    
Research/ Academic writing	      

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**Scribe ai**

**Agent GPT ai**

**Gamma ai**

**Rose ai**

**Beautiful ai**

**Notion ai**

**Pictory**

**Quizizz**

**Jasper**

**DALL - E**

**Canva.com**

**futurenda.com**

**Simplified**

**Prezi**



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# Artificial Intelligence in the CLASSROOM

Majid Buledi, PhD  
Instructional Technologist  
Teacher Trainer & Author



AI

ChatGPT

About

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**Questions  
& Answers**

# Artificial Intelligence in the CLASSROOM

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