



# **ACTIVE LEARNING**

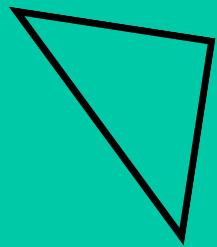
**WITH AI**

**BY JEPHIAN LIN**



# What is a **MEANINGFUL LIFE?**

How to make it happen?



Doing something that matters to

**YOU**



For myself...

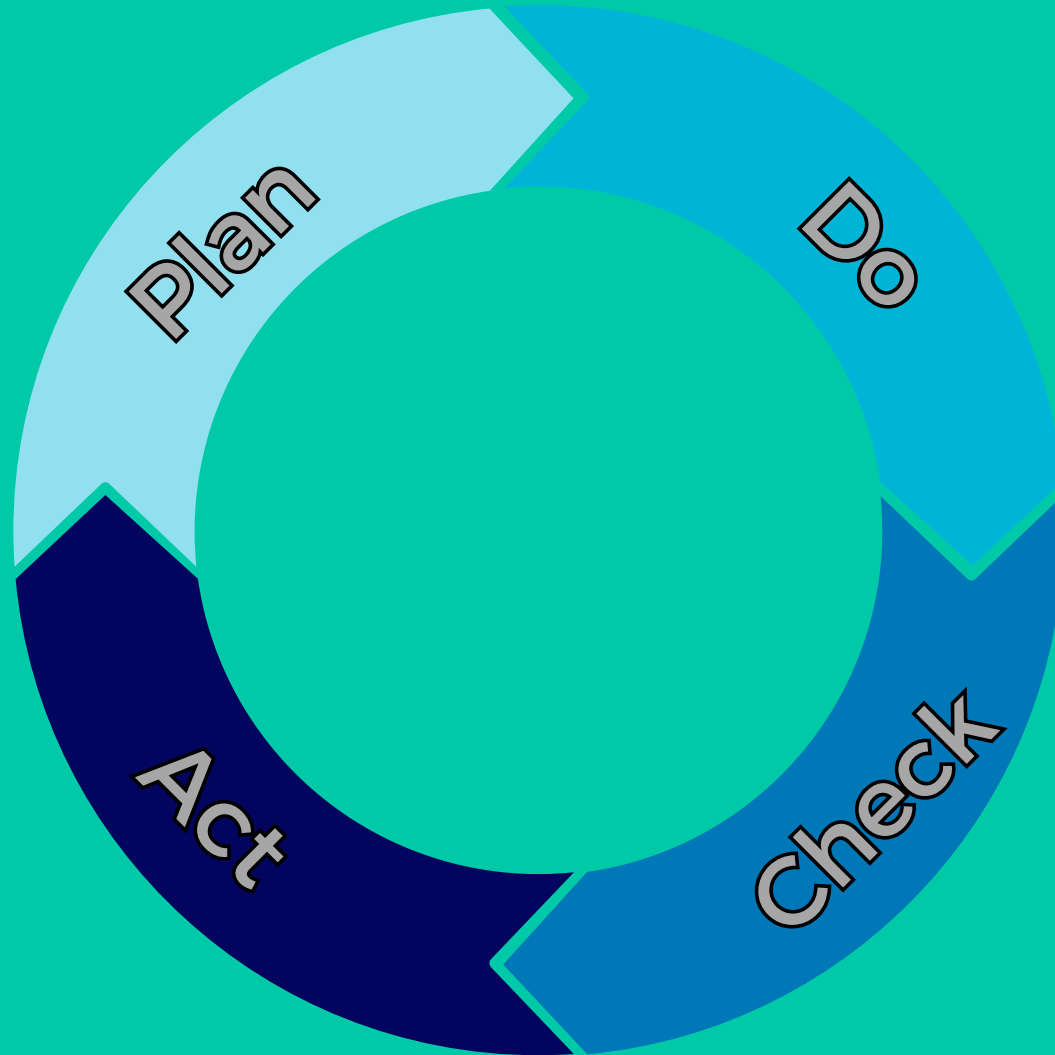
**WORK  
HARD**



**ENJOY**



# PDCA CYCLE



# TRADITIONAL CLASSROOM



Plan

Do

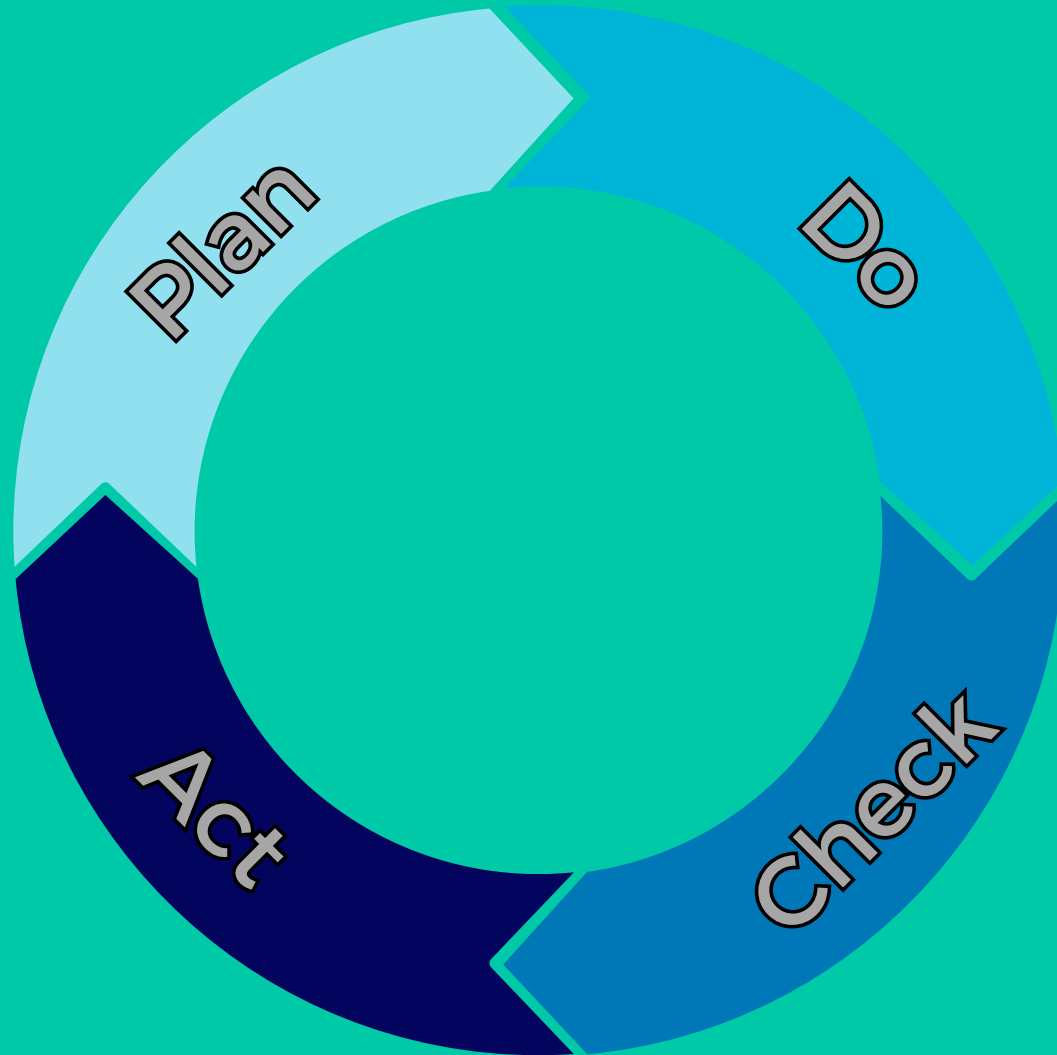


Act

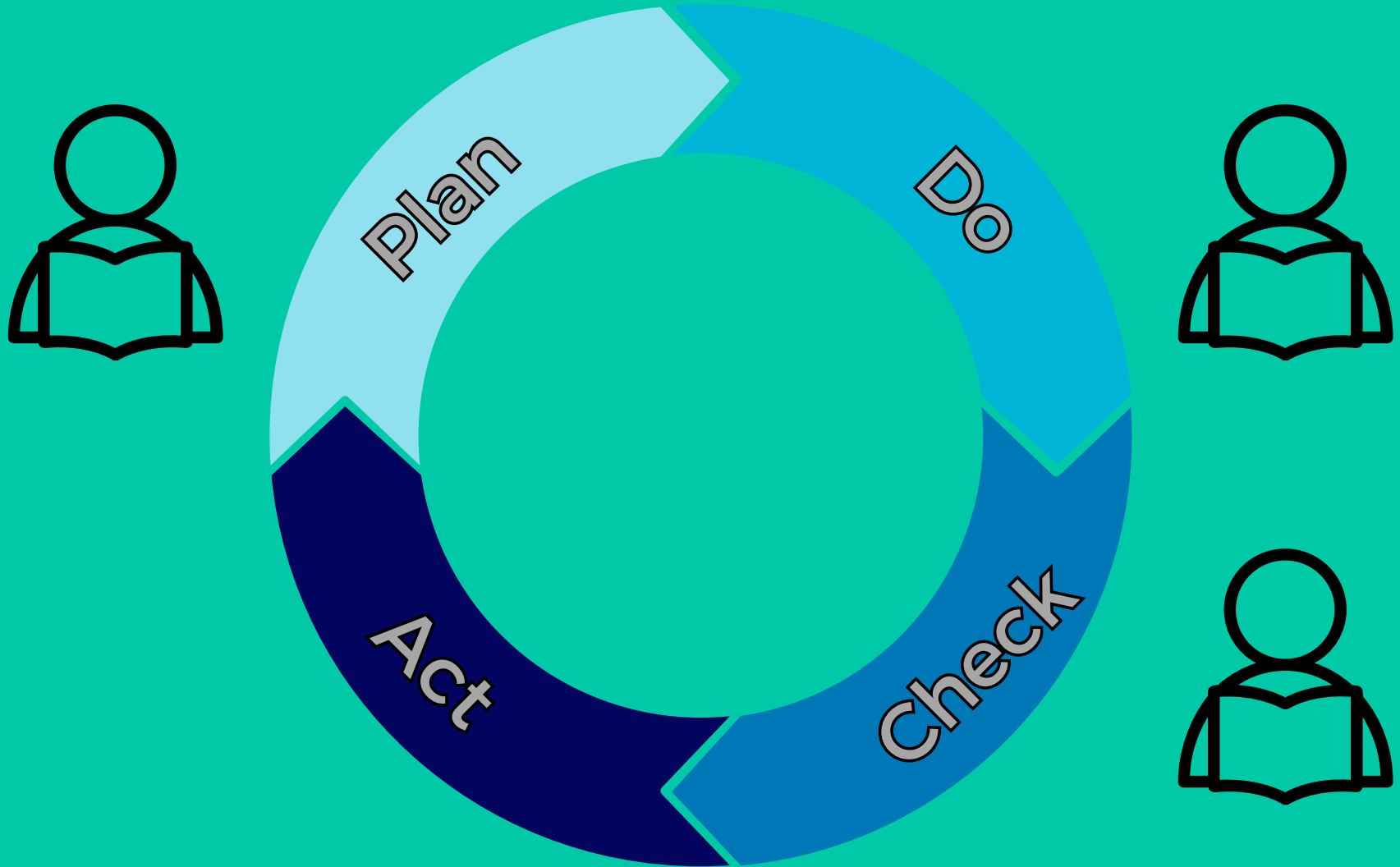
Check



# SELF LEARNING



# ACTIVE LEARNING





# REFLECTION

see improvement → satisfaction

see weakness → adjustment

know yourself better,  
learn how to be honest about yourself

# MY LONG JOURNEY OF ENGLISH LEARNING



2016: First course taught in English

2015: Cannot order a meal in McDonald

2014: First English presentation

2013: Iowa State University

2012: Failed to get any admission

2010: First time to study for myself

How are you? Fine, thank you.

# I HAVE TRIED...

still don't feel good enough in many aspects  
particularly, writing



2021: VoiceTube

2014: Christian fellowship

2013: English Accent Couch

2012: Global Village

2010: Advanced magazine, vocabulary book, etc.

How are you? Fine, thank you.

# VoiceTube

← 世界上壓力最大的 10 種工... ↗

Career Addict The 10 Most Stressful Jobs... ⓘ ⋮


10 seconds

5 pilot

▶ 🔊 · Phlebotomist ⚙️ YouTube

身為負責數百名乘客的生命安危的唯一負責人可以是極度有壓力的，

Being the sole person responsible for hundreds of passengers' safety can be extremely stressful, ❤️

 **Minjane**  
🔊 282 🗨️ 401 👍 24

你們有做過這些工作嘛?

▶ 🔊 00:00

Key Vocabulary

🎤 Write a comment... 📤 Send

🎤 92 🎧

Record again Details My records

Click on the words in the sentence for pronunciation tips

Being the sole person responsible for hundreds of passengers safety can be extremely stressful

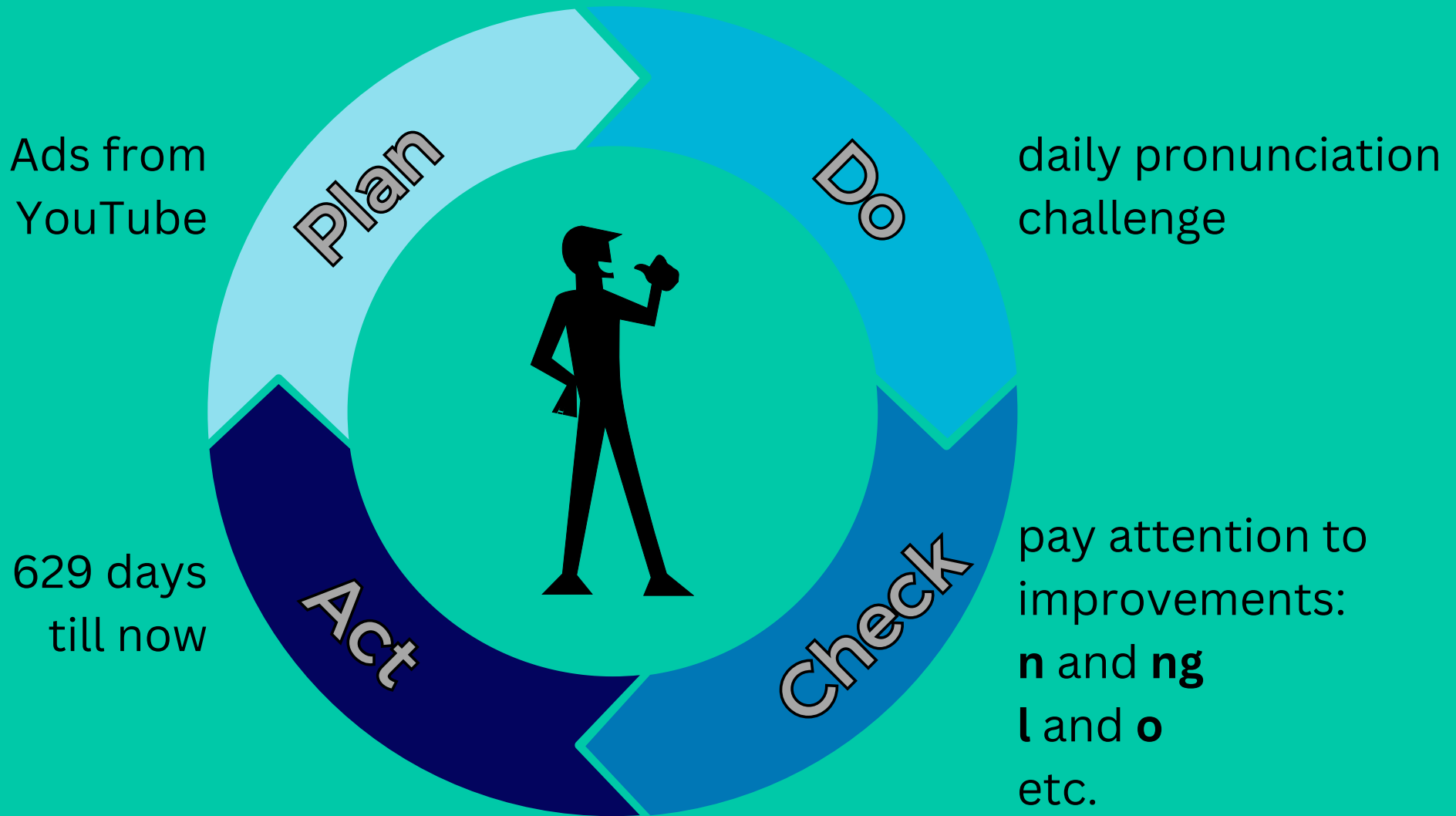
**hundreds**  
[ˈhʌndrədz]  
🔊 Example 🗣️ Mine

Detailed phonetics symbols

**hun**  
[h] excellent [ʌ] excellent [n] excellent

**dreds**  
[d] excellent [r] excellent  
[ʌ] sound like e [d] good [z] excellent

# ACTIVE LEARNING





# **HOW AI CAN HELP?**

# PLAN

## Google ChatGPT

- Explain XXX in simple terms.
- Tell me some simple projects on XXX.
- Tell me some instructions on project X.
- Show me some sample code about X.
- Recommend some learning resources.
- Teach me the first lesson about XXX.
- How to learn XXX efficiently.

# CHECK

## ChatGPT VoiceTube Wolfram Alpha Photomath freeCodeCamp Project Euler

- Please polish the article.
- Check pronunciation.
- Solve math problems and see steps.
- Check programing code.
- Couching system.

JE

How to learn English efficiently?



Learning English efficiently requires a combination of strategies and consistent practice. Here are some tips to help you learn English more effectively:

1. **Set Clear Goals:** Define your language-learning objectives. Know why you want to learn English and what level of proficiency you want to achieve. Having specific goals will keep you motivated and focused.
2. **Immerse Yourself in English:** Surround yourself with the language as much as possible.



Remember, learning English is a journey, and progress may not always be linear. Embrace mistakes as part of the learning process and continue practicing regularly. Stay motivated, and your efforts will yield significant improvements over time. Good luck with your English learning journey!





Tell me some simple coding projects.



Certainly! Here are some simple coding projects that you can try out:



1. **Number Guessing Game:** Create a program that generates a random number and asks the user to guess it. Provide hints if the guess is too high or too low until the user guesses the correct number.
2. **Calculator:** Build a basic calculator that can perform addition, subtraction, multiplication,



These projects are beginner-friendly and cover various aspects of programming. As you work on them, you'll get more comfortable with coding concepts and gain confidence in your skills. Don't hesitate to explore and modify these projects to add your own twist!

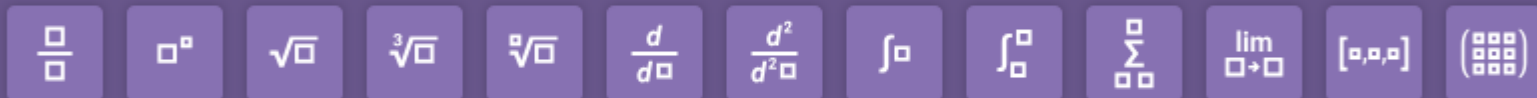
$$\int_1^2 x^2 dx$$



 NATURAL LANGUAGE  MATH INPUT

★      ...

POPULAR



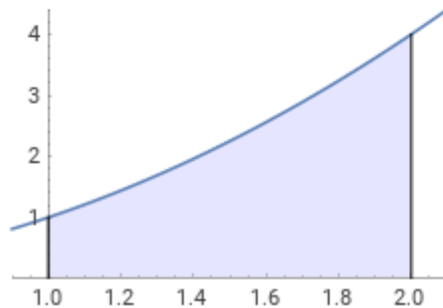
Definite integral

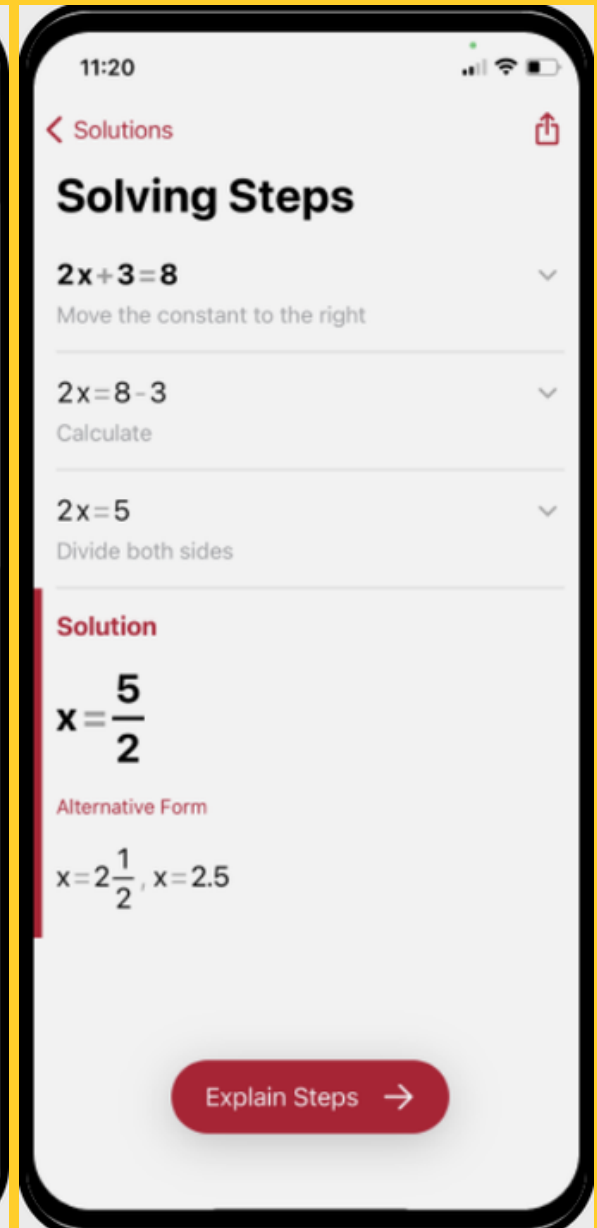
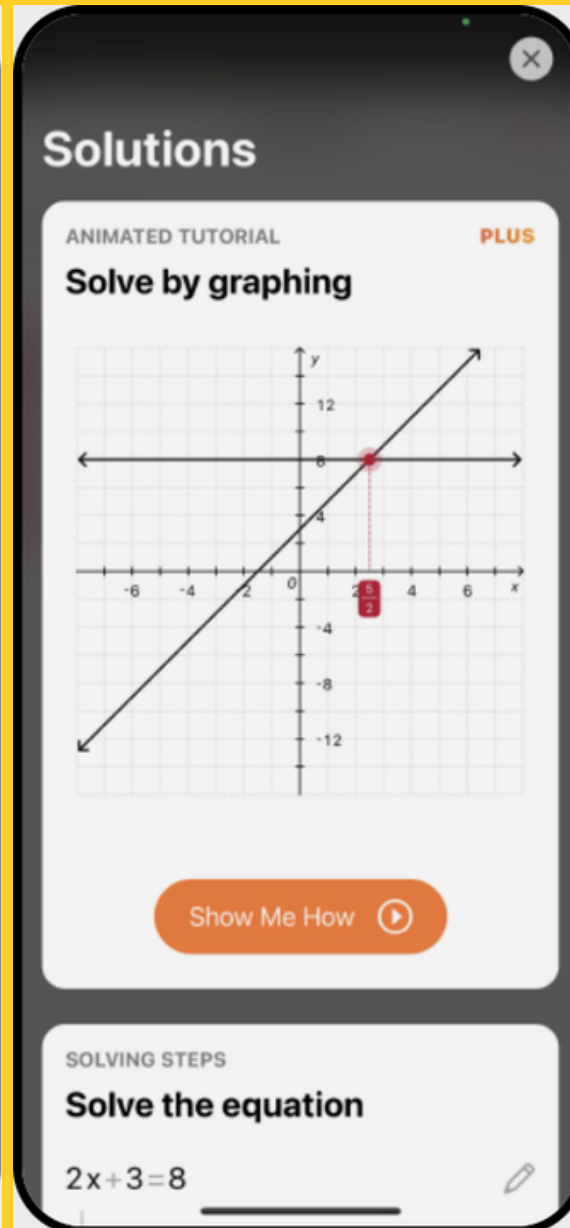
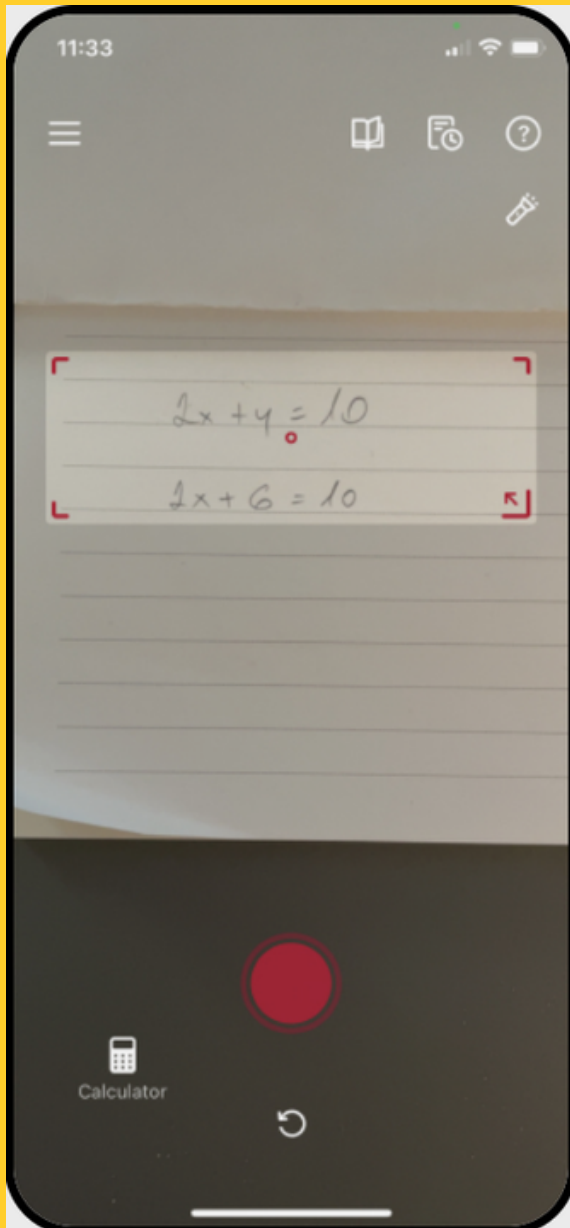
[More digits](#)

[Step-by-step solution](#)

$$\int_1^2 x^2 dx = \frac{7}{3} \approx 2.3333$$

Visual representation of the integral





from Photomath website

Doing something that matters to

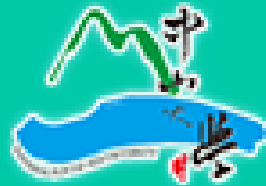
**YOU**



# ACTIVE LEARNING



**NSYSU**



國立中山大學  
National Sun Yat-sen University

**courses:** EMI, online, minicourses

**program:** build your CV in your own way

**colearning:** learn, do projects, and  
have fun together