



Steering the Whole Loop

Teacher-Led AI Across Creation, Assignment, Review,
and Real Insights from Student Work

Dr. John Yan
CEO @ Inknoe



40TH ASEAN COUNCIL
OF TEACHERS + KOREA
CONVENTION

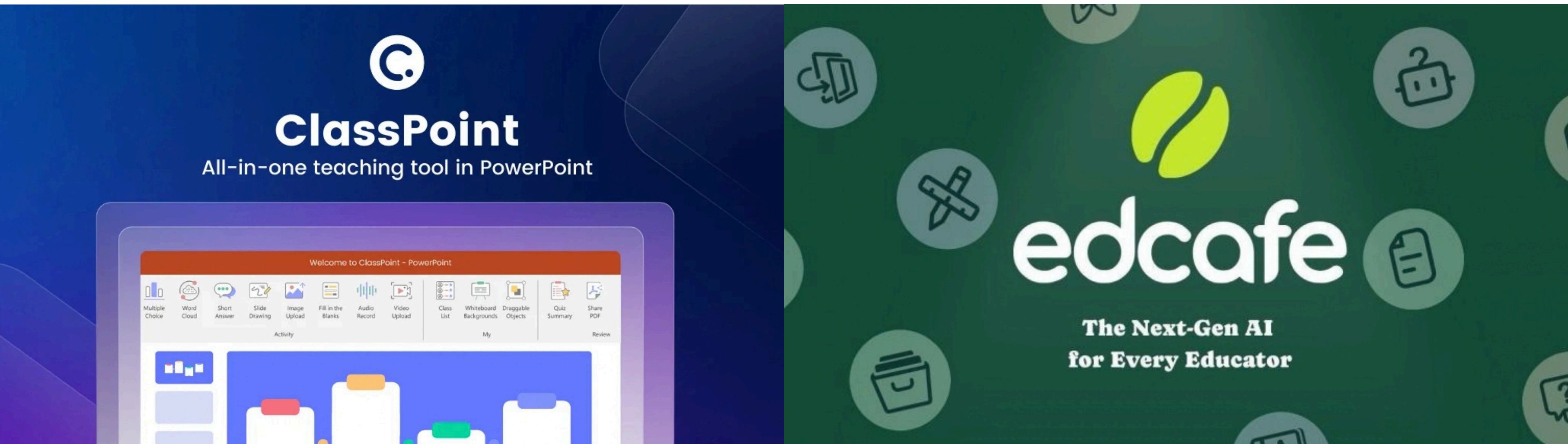
NAVIGATING OUR FUTURE

STEERED BY TEACHERS;
ANCHORED IN RELATIONSHIPS;
PROPELLED BY AI



22-25 OCTOBER 2026 · D'MARQUEE, SINGAPORE

Technology crafted for educators

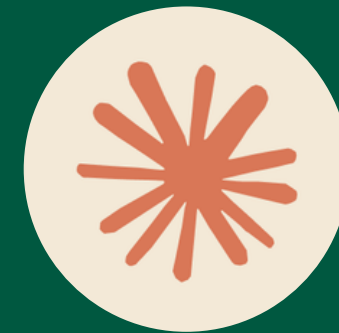


 www.classpoint.io

 www.edcafe.ai

Teaching is a loop.

GenAI tools focus on creation



Vibe-Coded Activity Examples

×

Times Table Trainer

Pick a table to practise.

×2

×3

×4

×5

×6

×7

×8

×9

×10

Water Drop Adventure

Build

2. Put the Stages Around the Cycle

Drag each stage card into the correct place in the circle. Go clockwise from 1 to 4.

Stage cards

Condensation

Collection

Evaporation

Precipitation

Order hint: water rises, clouds form, water falls, then water gathers again.

1. First stage

2. Next stage

3. Next stage

4. Last stage

Water Cycle

Reset circle

Check my order

Start the Water Drop Adventure

Grammar Repair Shop

Periodic Table Chart

Past Tense Practice

Spelling Board Game

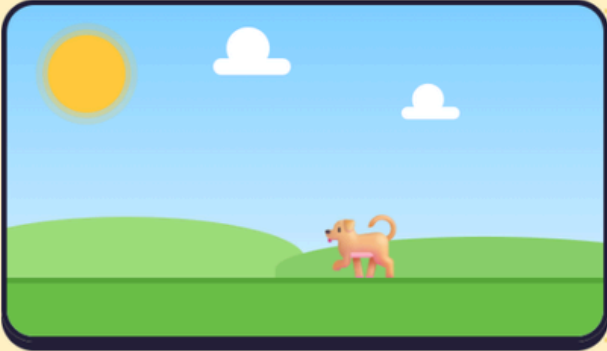
Listen and Spell

Planet Order Drag-and-Drop

Vocabulary Matching

SayWhatYouSee

Look at the picture. Build a sentence about it.



Let's play!

露营好消息：写便条给爸爸

0 / 32

小课

① 读懂广告

② 认识格式

③ 自己写

复习

① 读懂广告：点一点广告里写便条时一定要告诉爸爸的信息（共 6 项），再按“检查”。

人民协会·淡滨尼东民众俱乐部 青少年组 主办

小小探险家·乌敏岛露营营

活动：小小探险家·乌敏岛露营营（两天一夜）

日期：2026年11月21日（星期六）至22日（星期日）
上午8时在樟宜尖碑码头集合

地点：乌敏岛（Pulau Ubin）营地

活动内容：搭帐篷、丛林徒步、认识红树林、观星、营火晚会

费用：会员 \$45，非会员 \$60（包括膳食、帐篷和渡轮）

报名：请家长在 11月6日 前上 onePA 网站报名

对象：10至12岁学生

请携带：换洗衣服、水壶、防蚊液、手电筒

“走进大自然，玩出好体魄！”

查询：6781 2345（办公时间）

I already made this in ChatGPT. Why do I need Edcafe?

Circuit Lab: Series & Parallel

A friendly first look at electric circuits

Best score 0 / 100

This round 0

 Glossary

1 · Basics

2 · Explore

3 · Practice

4 · Challenge

Results

BASICS IN 60 SECONDS

Electricity is like water in pipes



1. Voltage = the push

Voltage (letter **V**) is measured in **volts** (unit **V**).

A battery works like a **pump**: it pushes charge around the circuit, just as a pump pushes water around pipes. A bigger push makes everything flow faster.

Move the slider: more push → faster flow.

 Water view

 Circuit view



Push (voltage)



6 V

Push: 6 V → flow speed medium.

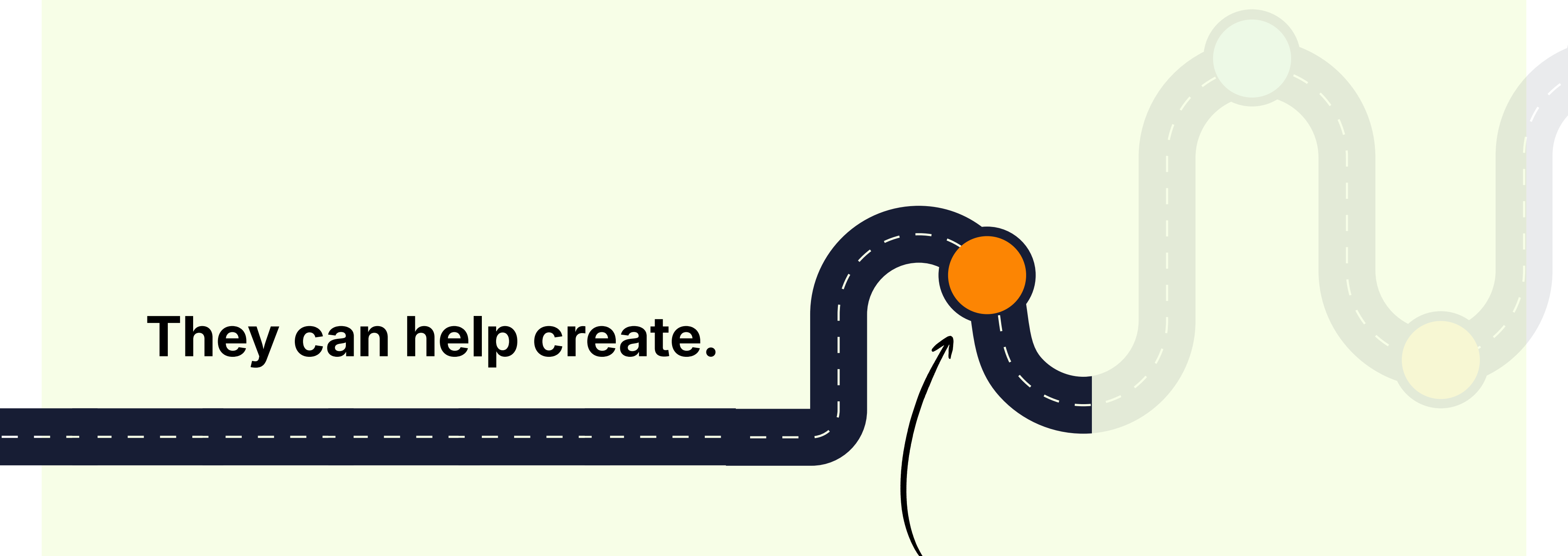
Back

Step 1 of 5

Next

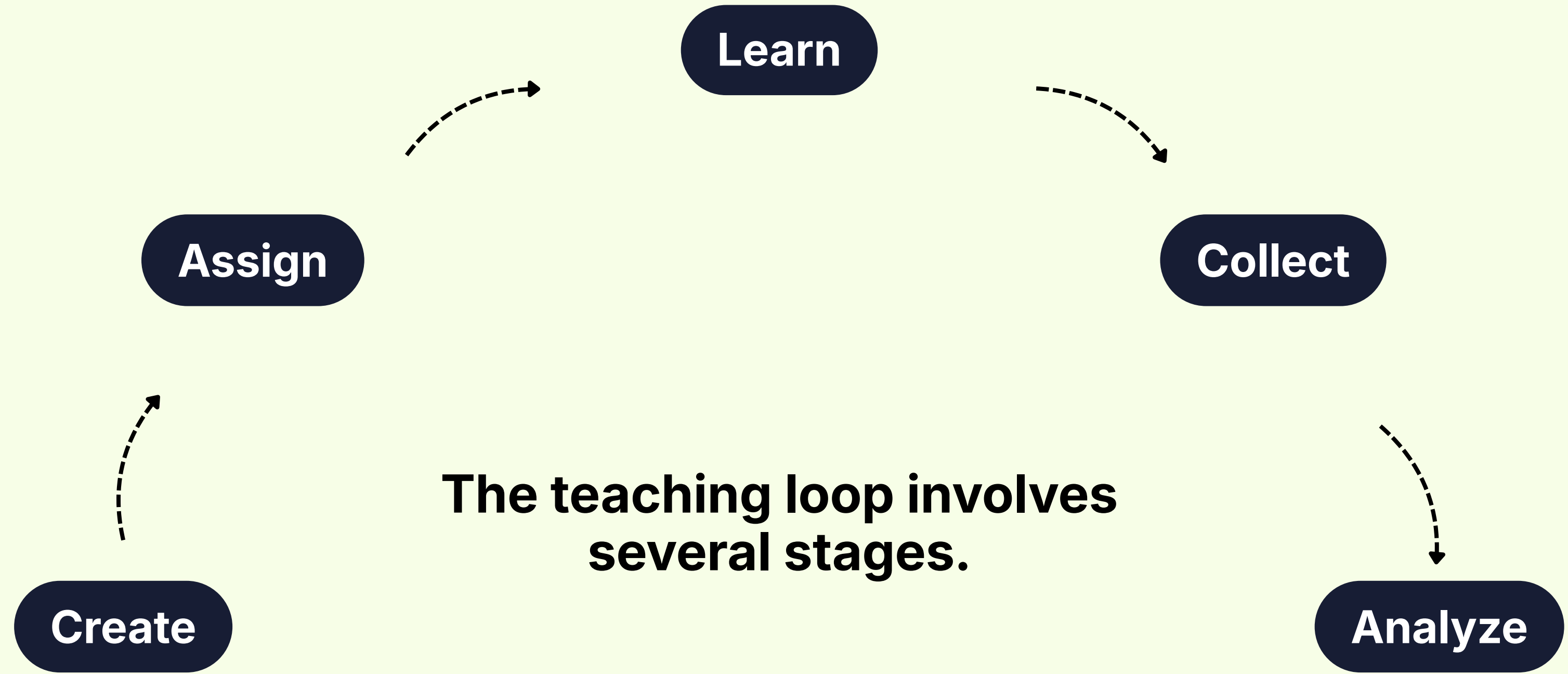
They can help create.

They can help create.



The diagram shows a path that starts as a straight dashed line on the left, then curves into a series of loops. The first loop is dark blue with a solid orange circle at its peak. A curved arrow points from the text below to this orange circle. The path then continues with a light grey dashed line, featuring a light green circle at a subsequent peak and a light yellow circle at a valley. The path continues to loop off to the right.

But, the teaching loop
doesn't stop at creation.



Edcafe completes that loop.
It does much more **after creation**.

- Deliver the activity to students
- Students work on them
- Track all student submissions
- Get AI-powered assistance, turning student interaction data into insights

The **learning** loop

Teacher-led. Student-centered.



Let's go through the full Edcafe teacher-led learning cycle.

Create → Assign → Learn → Collect → Analyze

1 Create

Interactive activities for different learning goals



Chatbot



Quiz



Mini App



Flashcards



Reading Activity



Assignment Grader

Align activities with **grade level,**
learning objectives, curriculum, and more



Topic

Text

Webpage

YouTube

Files

What plants need.pptx

plant-parts-infographic.png

Bean investigation.pdf

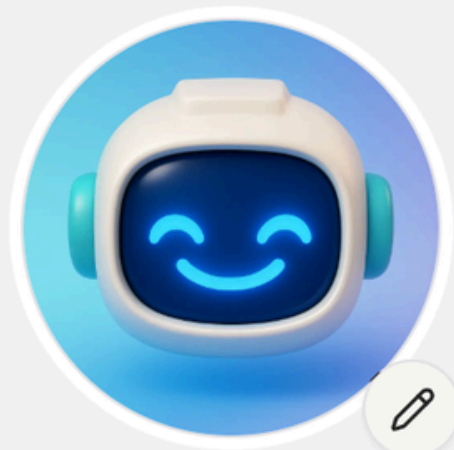
Additional instructions (optional)

Saved prompts

Level the question difficulty to Grade 2. Students should be able to name the parts of a plant, explain what a plant needs to grow, and describe what happened in the bean investigation when water, sunlight, or soil was missing.



Build with your **context, teaching goal, knowledge files, and more**



Instructions Required

Greeting Required

Capabilities 4

Knowledge 6

Language English

Chatbot instructions

Bullet List B I U

Prompt Assistant

Role

You are a patient algebra tutor who builds conceptual understanding through questions, examples, and increasingly independent reasoning. You adapt explanations to each student's level while maintaining a supportive, confidence-building tone.

Learning Objectives

Students will:

- Explain the meaning of variables, constants, coefficients, terms, and expressions.
- Translate between verbal descriptions and algebraic expressions or



Save and organize your creations

Multi-level folder system • Color coding

My library

+ Folder

Name ↑	Type ↑↓	Modified ↑↓	Su
 3rd Grade Reading Activities	Folder		
 Assessment Type Quizzes	Folder		
 Emergency Sub Plans	Folder		
 Feedback Activities	Folder		
 General Resources	Folder		
 History Class	Folder		
 My Chatbots	Folder		
 PD Workshop	Folder		
 Practice Quizzes	Folder		

2 Assign



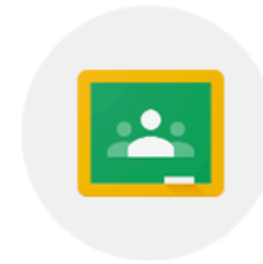
Copy link



Save QR



Embed



Google
Classroom



Microsoft
Teams

Deliver interactive activities
to students in different ways



3

Student learning

in action



Quiz in
Assessment Mode

Nutrition Guidelines Scenario Quiz

2. A parent asks which nutrient is most important for child growth and tissue repair. Which answer best matches dietary guidelines for macronutrients?

A Protein - provides amino acids for growth and repair

B Simple sugars - provide quick energy for study

C Saturated fat - essential for bone growth

D Alcohol - increases appetite for better weight gain

Previous

Submit Answer



Chatbots for personalized learning experiences



0:05

I'm struggling with understanding the concept of osmosis.



Cell Transport Tutor

Thanks for sharing, Allie! Let's explore the concept of **osmosis** together.

What is Osmosis? 💧

Osmosis is the **passive movement of water molecules** across a **semipermeable membrane** (a membrane that allows some molecules to pass but not others) from an area of **low solute concentration** (more water) to an area of **high solute concentration** (less water). This movement happens to balance the concentration of solutes on both sides of the membrane.



Mini App for hosting gamified, vibe-coded activities



Grammar Repair Shop

Diagnose the faulty word, then choose the correct repair.

Points
100

Completed
1/10

Reputation
100%

● Repair bay active

Daily work orders

2 of 10



Librarian Kim

The library sign needs inspection.

Shop reputation **100%**

Order mistakes **0/3**

Work Order #002

Step 1. Find the grammar fault

Click the one word that needs repairing.

There **is** many books on the shelf.

Step 2. Choose the correct repair

Select the word or phrase that should replace the faulty part.

4 Collect

Track **every**
student interaction
across learning
activities



ASSIGNMENT GRADER

How Technology Changed Communication Essay

• 3 new responses 17 total ⌚ Last submitted by Veronica 25 minutes ago

FLASHCARDS

Biodiversity and Ecosystems

• 8 new responses 32 total ⌚ Last submitted by Billy 32 minutes ago

CHATBOT

Membrane Transport Review Buddy

• 12 new responses 21 total ⌚ Last submitted by Noah 1 hour ago

QUIZ

Microorganisms and Human Health

• 7 new responses 26 total ⌚ Last submitted by David 5 hours ago

Get a snapshot of collected student submission data

30

+26 new

Submissions

82%

Average Score

3 min

Median Time Taken

Q Search by name or score...

All 30

Unread 25

No	Name ↑↓	Submission Time ↓	Duration ↑↓	MCQ Score ↑↓	
1	<div><div></div>Alvin</div>	17 Jul 2026, 16:34:26	4 mins	100% (7/7)	<div></div>
2	<div><div></div>Arlene</div>	17 Jul 2026, 16:28:12	6 mins	100% (7/7)	<div></div>
3	<div><div></div>Olive</div>	17 Jul 2026, 16:28:08	6 mins	100% (7/7)	<div></div>
4	<div><div></div>Noah</div>	17 Jul 2026, 16:26:51	7 mins	100% (7/7)	<div></div>
5	<div><div></div>Rose</div>	17 Jul 2026, 16:26:18	4 mins	100% (7/7)	<div></div>
6	<div><div></div>Clive</div>	17 Jul 2026, 16:26:11	7 mins	100% (7/7)	<div></div>

Have full visibility on every **student touchpoint**

← Back

28
Chat sessions

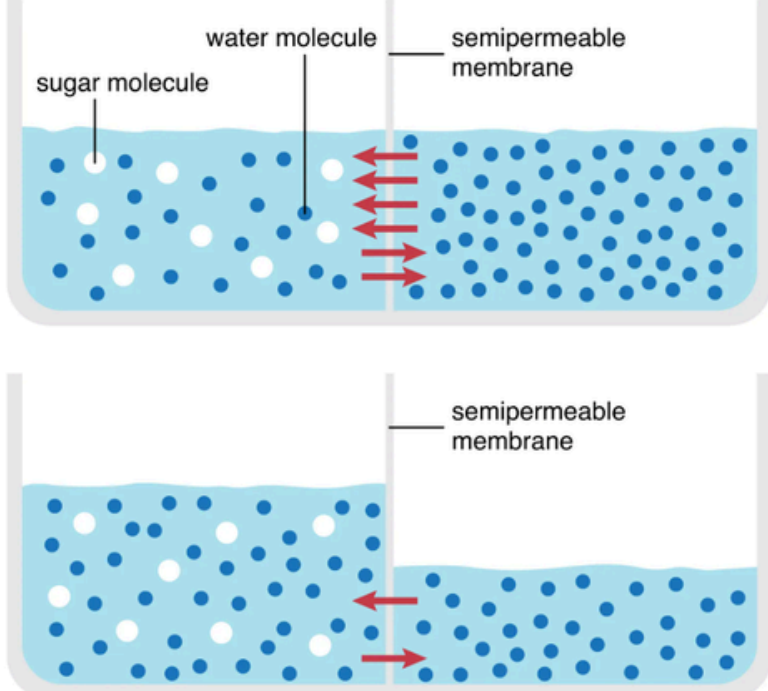
Q Search for responses, names...

No	Name	Engagement
1	Maya R.	● High
2	Jordan T. ⚠	● Medium
3	Priya S.	● High
4	Liam O.	● Low
5	Ava M. ⚠	● Medium

Chat Session

Hi! 🙋 I'm your cell transport review buddy. I help you master diffusion, osmosis, active transport, and related diagrams with clear explanations, practice, and stepwise feedback. 📖

Take a look at the diagram below showing water movement and solute distribution across a membrane — what do you notice about the direction of water movement and the relative concentrations on each side?



© Encyclopædia Britannica, Inc.

0:06

The arrows are pushing the sugar through the wall onto the other side.

5 Analyze

Meet Analytics Assistant.

Your dedicated AI-powered tool for turning
student learning progress into **actionable next steps**.



From **student interaction data** into insights



A Analytics Assistant

Which students need help with osmosis, and what did each one struggle with?

A Analytics Assistant

● FOLLOW-UP ANALYSIS

I found three students whose chats show they need more support:

Student	Engagement	What their chat revealed
Noah K.	● Low	Asked what osmosis is, then stopped after three messages
Jordan T.	● Medium	Mixed up osmosis with active transport twice
Liam O.	● Low	Used single-word replies without explaining his reasoning

Create custom reports and charts on the go

A

Analytics Assistant

Create an Excel report for every student with engagement, key misconceptions, and recommended next steps.

A

Analytics Assistant

CUSTOM CLASS REPORT

X

Cell Biology Tutor — Custom Class Report

Excel · 28 students · 4 requested fields

↓

Your custom report is ready with one row per student and the fields you requested.



**Let's look at
a few examples**

Edcafe completes the loop.



Used by **13,000+** Singapore teachers
across **277** organisations



ST. PATRICK'S SCHOOL
POTEST QUI VULT



CHIJ KATONG CONVENT
Simple in Virtue . Steadfast in Duty



Corporation Primary School
德行小学




Institute of Technical Education



Anglo-Chinese
Junior College

A Methodist Institution
(Founded 1886)



WESTWOOD
PRIMARY SCHOOL



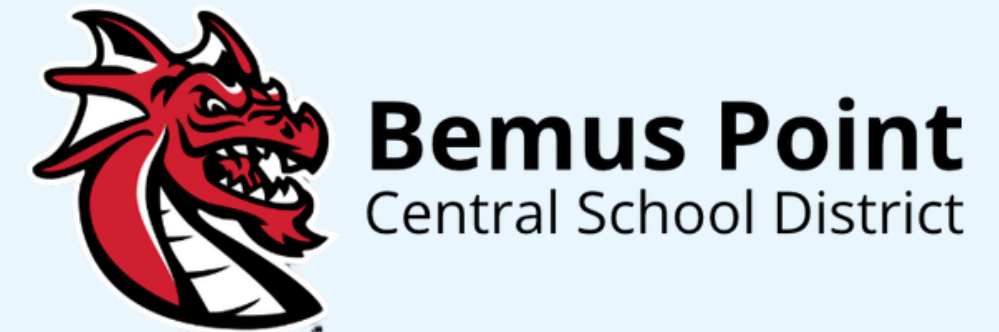
GREENDALE
SECONDARY SCHOOL



Inspiring Excellence
PALM VIEW
PRIMARY



From Singapore to the world.



500K+ teachers

Use Edcafe in their classrooms

1.5M+ times

Student activities completed worldwide



AI that's safe for students.



Student safety:

- Tested on **GovTech's MinorBench**
- **Built for K-12** - age-appropriate AI
- Student data **never used to train AI** models
- **Teacher-controlled** - students only access what you assign

Compliance:

- Singapore PDPA compliant
- SOC 2 certified · COPPA compliant · GDPR aligned
- Regular VAPT security testing



All-in-one AI-powered platform for
interactive learning activities



All-in-one AI-powered platform for
interactive learning activities

40th (ACT+1) Pre-Convention
Concurrent Session Feedback Form
for 23 Oct

