

Renewable Energy Sources

23 September 2025

My field of specification

Enhanced heat transfer (experimental investigation, theoretical analysis, CFD simulation),

Two-phase flow heat transfer (Condensation and flow boiling),

Inverse heat transfer measurement method,

CFD simulation

Molecular dynamics simulation,

Multi-scale simulation,

HVAC&R (heating, ventilation, Air-conditioning and refrigeration),

Renewable and sustainable thermal energy systems,

Building energy efficiency, Intelligent buildings,

Advanced refrigeration technologies (magneto-caloric, electro-caloric, baro-caloric)

Sources for lectures:

IEA,
IPCC,
S&P Global (Standard and Poor's),
BP,
Economics.
Financial Times,
MacroMicro.me,
eia (U.S. Energy Information Administration),
Pew Research Center,
Science Advances,
International journals.

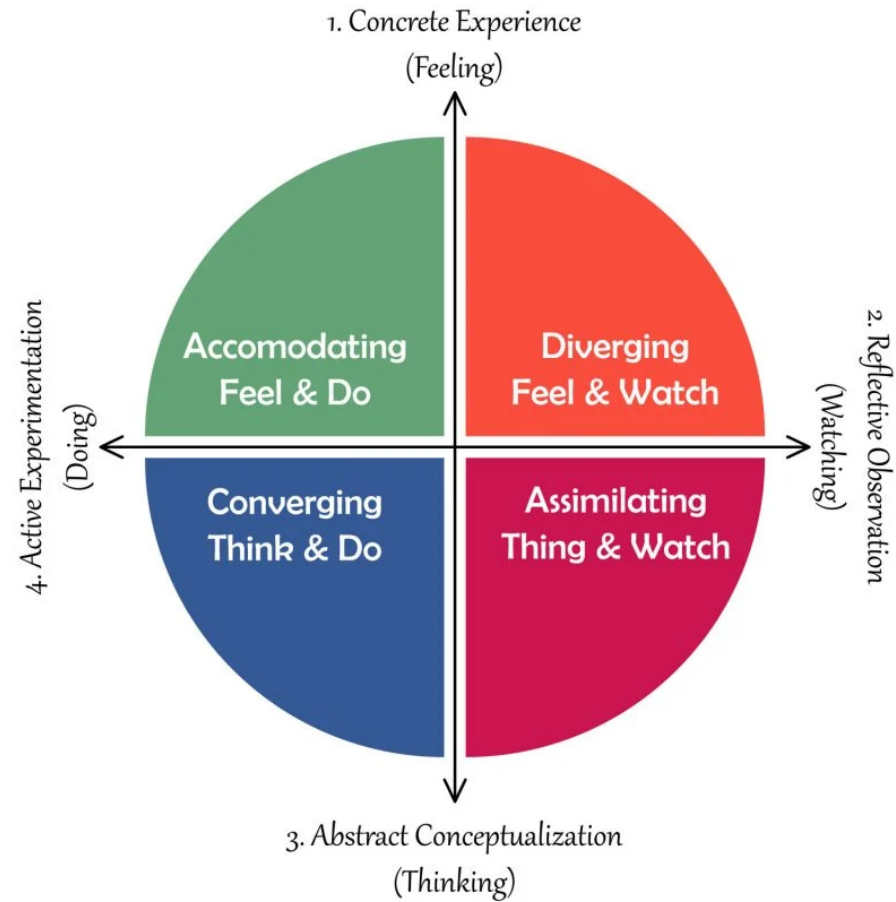
Methods of teaching and learning

What do you expect?

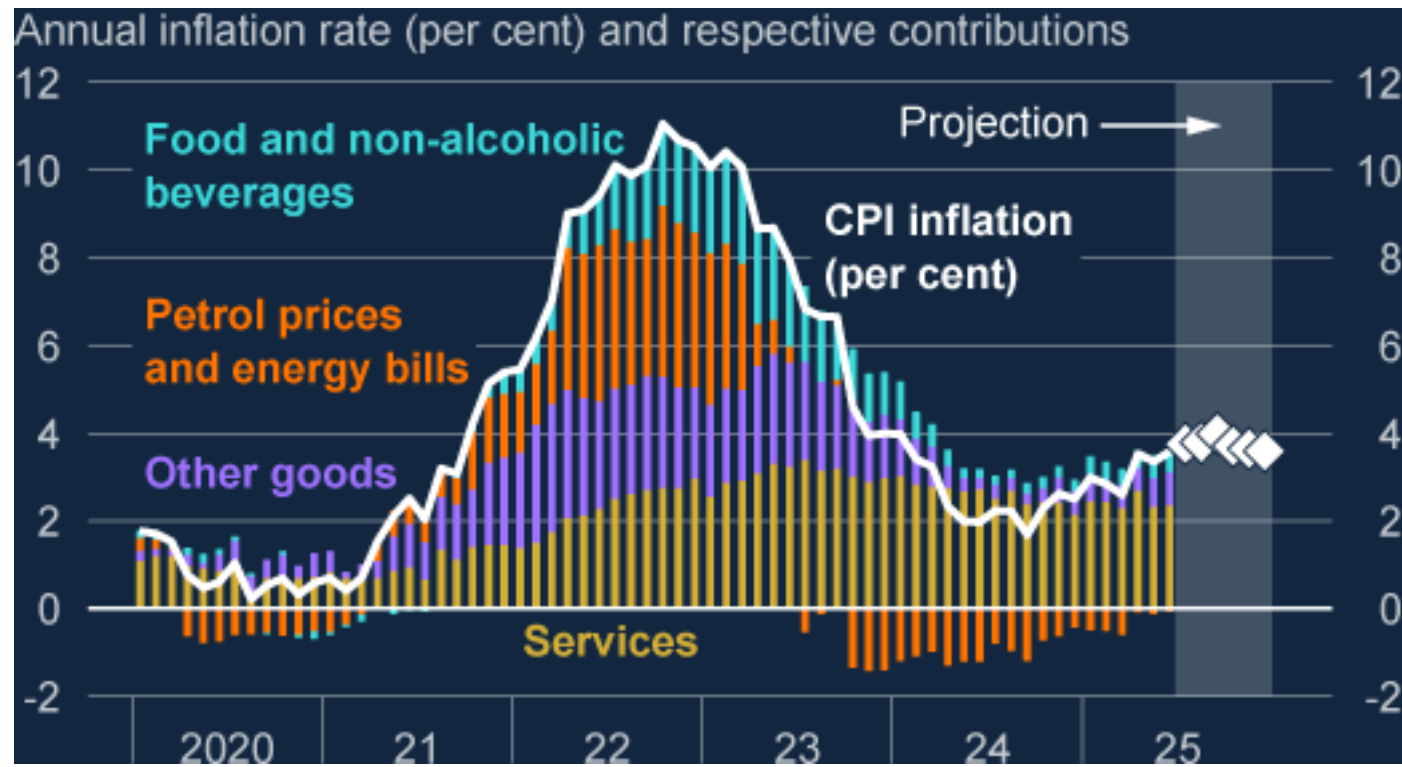
What do you prefer?

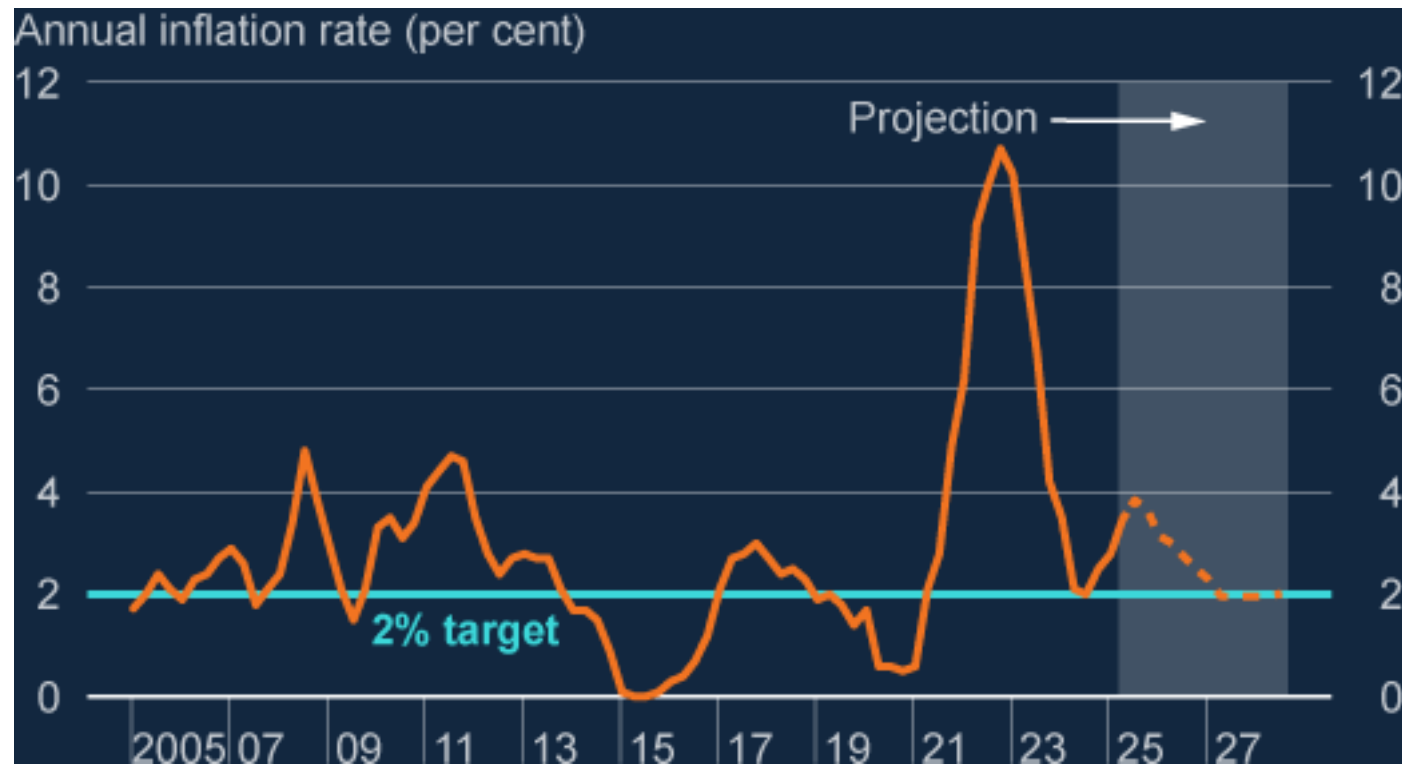
Methods of teaching and learning

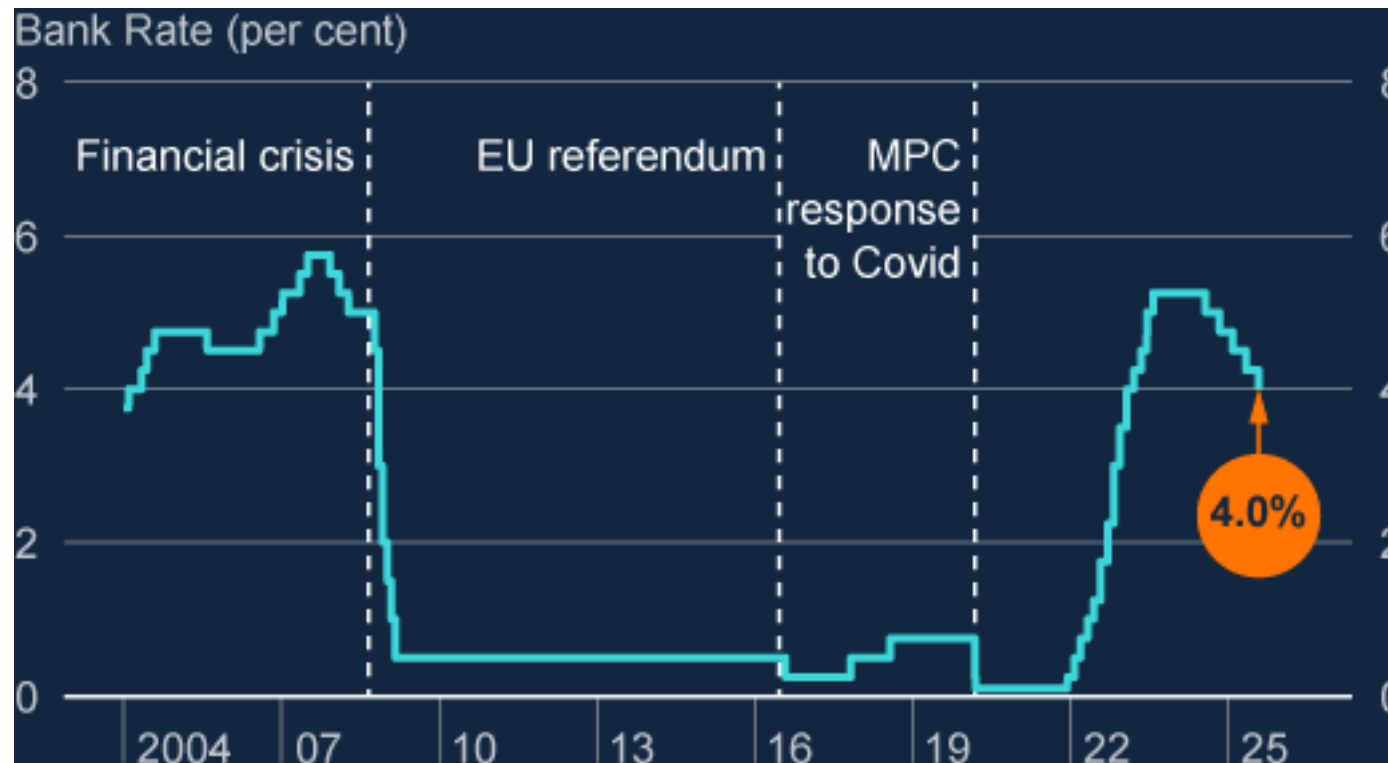
Kolb's Learning Cycle



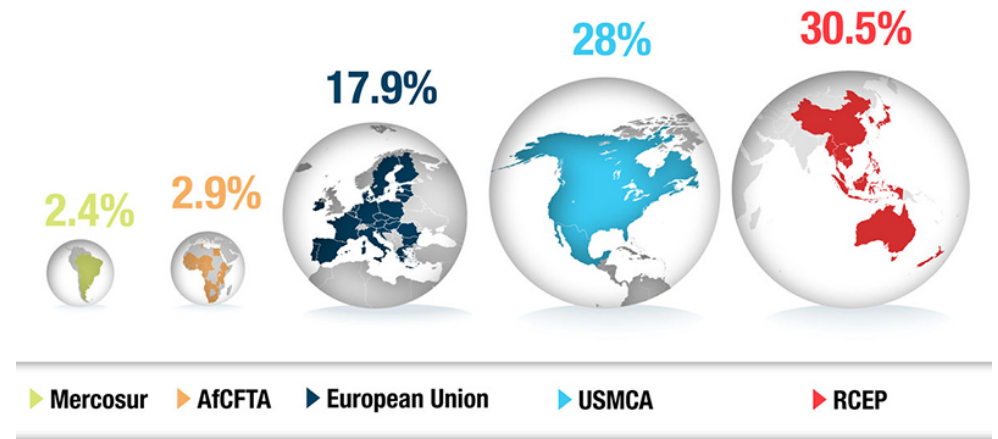
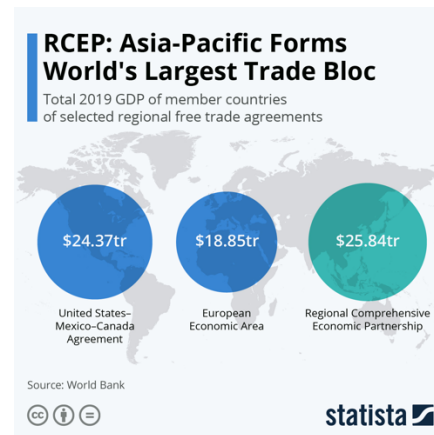
AI in teaching and learning







Regional trade partnerships



Kicking up a \$10bn sporting storm

Inside Saudi Arabia's plan to dominate football's Premier League, PGA Tour golf and more



IMAGE: KRYZSZTOF NOWAK

Aug 10th 2023

Climate changes and challenges

2023, New York

OPINION

Editorial: Orange skies in New York? Welcome to our smoke-filled, climate-fueled future



Pedestrians pass One World Trade Center, center, on Wednesday as the air is filled with smoke from wildfires in Canada. (Julie Jacobson / Associated Press)

BY THE TIMES EDITORIAL BOARD

JUNE 9, 2023 3 AM PT

2024, Athens

13:30





NEWS

 Menu

World | Africa | Asia | Australia | Europe | Latin Ar

Greece: Orange Sahara dust haze descends over Athens

🕒 1 hour ago





AFP

Despite the beauty of the orange hue over Athens, the clouds of dust left many Greeks suffering from respiratory problems

By George Wright

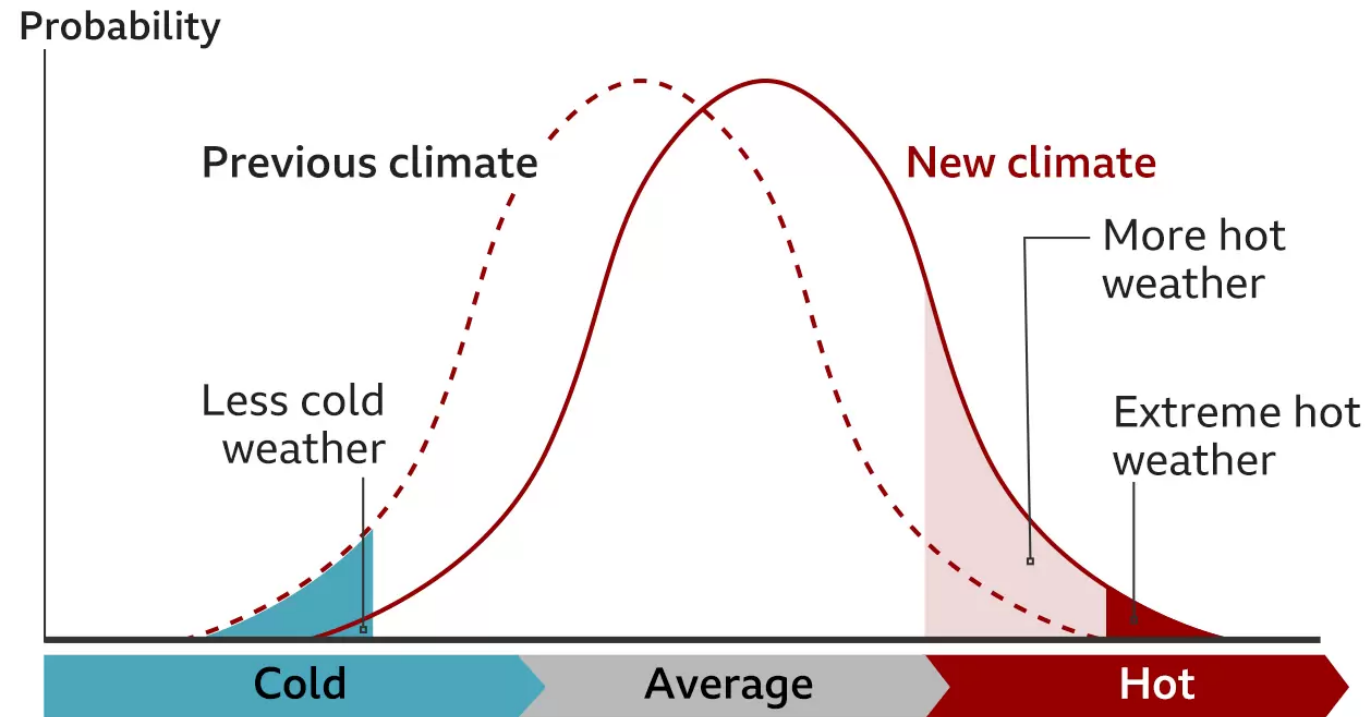
 [bbc.co.uk](https://www.bbc.co.uk)

2014, Beijing



Exploring cooling the Earth

A small shift makes a big difference



Source: US EPA

BBC