TEACHING TOOLS FOR ECONOMICS

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The Power of Teaching Tools in Economics

Simplifies Abstract Concepts

Transform complex economic theories into visual, understandable formats that students can grasp immediately.

Abstract concepts, such as market equilibrium, elasticity, and consumer behaviour, become tangible through interactive

Enhances Student Engagement

Attention and maintain interest throughout lessons.

Students become active participants rather than passive observers.

Connects Theory with Real Life

Bridge the gap between textbook concepts and real-world applications.

Students see how supply and demand affect daily purchases,

Facilitates Collaborative Learning

Encourage peer-to-peer learning and critical thinking through shared digital workspaces.

Students can work together on

Saves Time and Effort

Eliminate the time-consuming process of drawing complex graphs by hand.

Teachers can focus on explaining concepts rather than

These teaching tools represent a paradigm shift in economics education, moving from traditional chalk-and-talk methods

to dynamic, interactive learning environments that prepare students for the modern economy.

Comprehensive Teaching Tools for Economics

Tool	Best Use in Economics	Level	Free/Paid
GeoGebra	Drawing demand–supply, cost curves, production & consumption graphs	School (Class 11–12), College	✅ Free
Desmos	Simple graphing of demand, supply, elasticity; easy for students to explore	School, College	✅ Free
Google Sheets / MS Excel	Charts, bar graphs, line graphs, data analysis (e.g., GDP trends)	School, College, Research	✅ Free (Sheets), Paid (Excel)
Tableau Public	Creating interactive dashboards with real economic data	College, Research	✅ Free (Public version)

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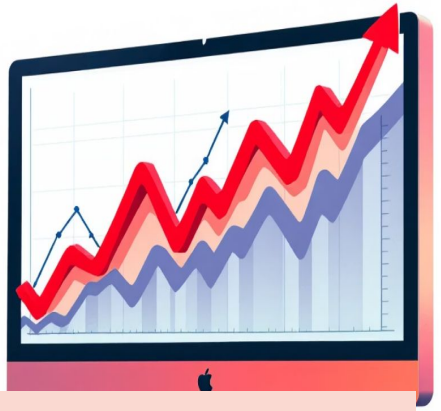
FRED (Federal Reserve Economic Data)	Graphing global indicators (GDP, inflation, interest rates)	College, Research	✅ Free
R (with RStudio)	Statistical graphs, econometrics, time series	College, University, Research	✅ Free
Python (Matplotlib, Plotly, Seaborn)	Custom graphs, advanced data analysis, simulations	College, University, Research	✅ Free
Symbolab	Solves math/equation steps (helpful for economics math: elasticity, cost functions, derivatives)	School, College	✅ Free (basic), Paid (Pro)
	Lesson plans, videos, games,	School (K–12),	

GeoGebra Session Overview

- What is GeoGebra
- Why use it in Economics
- How to use GeoGebra
- Q&A and Wrap-Up

GeoGebra ?



GeoGebra is a free, interactive, and dynamic software designed mainly for ...

- Geometry (drawing shapes, graphs, curves).
- Algebra (solving equations, working with functions).
- Calculus (slopes, derivatives, integrals, limits).
- Statistics (data plots, probability distributions) and integrates them into one visual platform.

Why Choose GeoGebra for Economics?

- ✔ Economics is Graph-Intensive
- ✔ Law of Variable Proportion / Diminishing Returns
- ✔ Shows Market Equilibrium
- ✔ Draws Demand and Supply curves quickly
- ✔ Plots Cost, Revenue, and Profit Functions

Features of GeoGebra

GeoGebra was created to help students gain a better understanding of Economics.

We can use it for active and problem-oriented teaching.

Ready to use applets are available.

Teachers and students can build animations, simulators.

Availability of GeoGebra

GeoGebra is open-source software under the GNU General Public License and freely available at www.geogebra.org

You can access the online version:
https://www.geogebra.org/classic

OR

Download as desktop app:

Thank you

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