TECH TOOLS



Polypad

Polypad is an interactive online math tool that offers a wide-range of manipulatives for geometry, numbers, fractions, algebra, probability, data, and logic. Designed for use from early childhood through secondary education, it allows teachers and students to explore, analyze, and make connections with math concepts in engaging and customizable ways.

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POLYPAD

Summary

Polypad is a dynamic online platform that provides interactive math tools that enable students and educators to explore mathematical concepts through customizable manipulatives. Teachers can design, save, and share activities using their Desmos accounts, supporting collaborative lessons and independent work. With user-friendly navigation and a variety of resources, Polypad makes it easy to create engaging, hands-on math experiences.

Procedure

1. Go to https://polypad.amplify.com/p in your web browser.
2. Once the site loads, you can immediately explore Polypad's tools without logging in. Use the control panel on the left side of the screen to view available manipulatives and resources.
3. **Log in with a Desmos Account** (Optional) If you want to save your work or create custom activities, click the "**Log In**" button and sign in using your Desmos account credentials. If you don't have an account, follow the prompts to create one.
4. On the left-hand panel, browse the categories of tools (e.g., geometry, numbers, algebra) and drag items to the workspace to begin creating an activity or exploring concepts.
5. Use the toolbars at the bottom and right side of the screen to adjust settings, edit objects, and personalize the workspace for your teaching goals. You can also toggle between different object options, such as snapping objects to grids or locking items in place.
6. If logged in, click the "**Save**" or "**Share**" button to store your activity in your account for later use. You can also share activities directly with students or integrate them into Desmos Classroom.

View Examples and Tutorials

Explore the **Examples** or **Help** sections in the control panel to find pre-made activities, get inspiration, or troubleshoot any issues you encounter.

Amplify Education (2024). Polypad. https://polypad.amplify.com/