



Mastering Mathematics: Strategies for Conducting Online Workshops and Engaging Large Class Sizes

Teaching math online can be tough, but with effective classroom management tools and engagement strategies, it's possible to create an active learning environment where students thrive.



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Skills for Conducting Online Math Math Workshops

1 Strong Communication

Communicate effectively with students, use clear language, and be approachable.

3 Technology Savvy

Be adept at using technology systems and platforms for remote teaching.

2 Depth of Math Knowledge

Have not just surface-level knowledge but deep understanding of the subject matter.

4 Flexibility and Adaptability

Be open to new approaches, and quick to adapt to unfamiliar circumstances or changes in workshop plans.

Managing a Large Class of 50-100 Students

1

Set Expectations

Establish clear expectations from the outset to help you manage your class effectively.

2

Delegate

Assign simple but important tasks to students to help lighten your workload and empower them to take responsibility.

3

Create a System

Develop a system that facilitates faster and more effective grading, and allows students to keep track of their individual progress.

Effective Use of Classroom Management Tools



Google Classroom

An intuitive and user-friendly platform to manage your classroom effectively.



Learning Management Systems (LMS)

Provide centralized access to course materials, communication, and grading tools.

A screenshot of a cloud-based attendance software interface. It displays a grid with columns for months (January to December) and rows for individual employees. The grid is color-coded to represent attendance status: green for 'Present', yellow for 'Absence', and purple for 'Sick'. A legend at the top left explains the color coding: 'W' for Work, 'Y' for Vacation, 'P' for Present, 'S' for Sick, and 'O' for Off. The interface also includes a 'Category Summary' column on the right.

Cloud-based Attendance Software

Take attendance and grade entries automatically, and store data securely online.

Engagement Strategies

Visual Aids

Incorporate visually stimulating materials, such as videos, graphics, and diagrams.

Active Listening & Participation

Encourage active listening and participation in class by asking questions and integrating discussion posts.

Peer-to-Peer Learning

Include group assignments to foster collaboration and teamwork, and empower students to learn from each other.

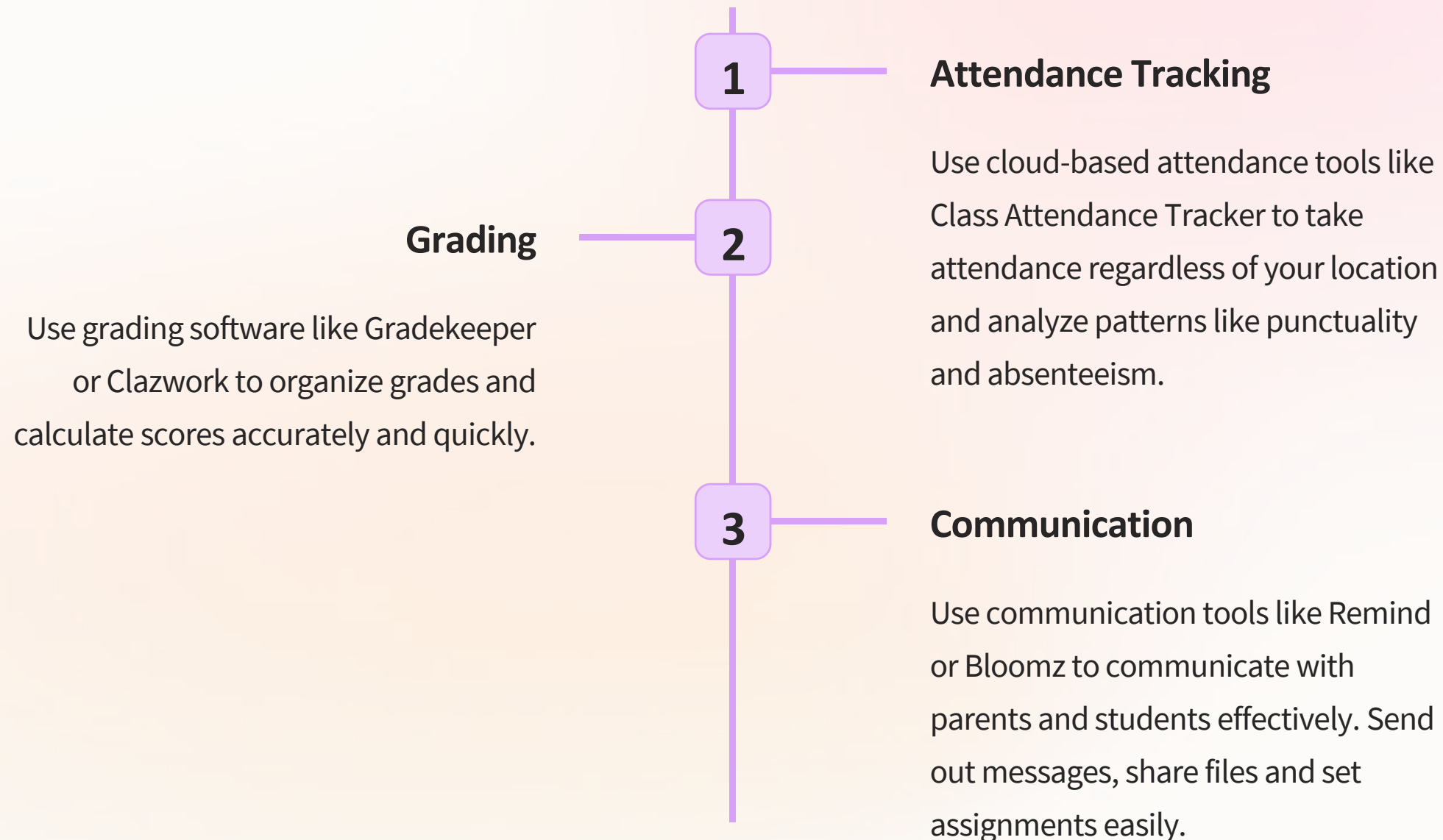
Games & Real-world Scenarios

Create engaging games and scenarios that relate to real-life problems and motivate students to think creatively.

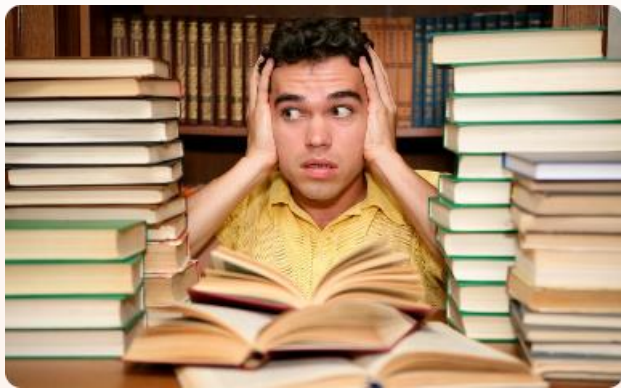
Overview of Learning Management Systems and Google Classroom

Learning Management Systems (LMSes) and Google Classroom are both powerful online tools that can help you manage your online math classes effectively. LMSes are enterprise-grade platforms designed to provide a complete suite of learning tools, while Google Classroom is a more lightweight tool, aimed at classrooms specifically.

Attendance Tracking, Grading, and Communication with Digital Tools



Collaborative Learning Approach for Fostering a Sense of Community Among Participants



Brainstorming Sessions

Create an online group where students can brainstorm and share ideas about math concepts and theories.



Online Group Assignments

Divide your online class into different groups, and assign each group a specific task, provide proper resources, and encourage them to work together online.



Online Group Meetings

Organize an online meeting with all the participants so that students can share their opinions regarding math concepts, hear from experts, and discuss the course as a whole.