

Persona: George – Math Teacher

Goal: Design, review, and grade math homework assignments for 30+ students.

| ACTION | Design Homework | Distribute and Explain Homework | Collect and Organize Assignments | Grade Assignments | Return Graded Work |
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| TASK LIST | <p>A. Create homework questions that align with the day's lesson.</p> <p>B. Draft the homework assignment on paper.</p> <p>C. Photocopy the assignment sheets for the entire class.</p> | <p>A. Hand out the assignments at the end of the lesson.</p> <p>B. Clarify the objectives and any immediate questions.</p> <p>C. Remind students of the due date and where to submit their work.</p> | <p>A. Collect the assignments in a designated tray or folder.</p> <p>B. Check off submissions against the class list.</p> <p>C. Organize the assignments for grading.</p> | <p>A. Manually mark each question and provide written feedback.</p> <p>B. Calculate and record grades in spreadsheet.</p> <p>C. Prepare a summary of mistakes for class review.</p> | <p>A. Hand back graded assignments in class.</p> <p>B. Go over the homework highlights and address frequent issues.</p> <p>C. Offer additional support for those with questions.</p> |
| FEELING ADJECTIVE | <p>"I'm meticulous when creating assignments. It's essential to cover all the concepts we've learned, but it's time-consuming and sometimes I worry about the clarity and variety of the questions."</p> | <p>"I always hope the students grasp the homework's goals, but without a digital copy, I can't make last-minute clarifications or provide additional resources."</p> | <p>"The collection is straightforward, but without digital tracking, it's a challenge to manage late submissions and ensure nothing gets lost."</p> | <p>"Grading is exhaustive. I aim to be fair and thorough with my feedback, but it's draining, and I'm concerned about maintaining consistency."</p> | <p>"I'm pleased to discuss the homework solutions, but it's sad when students don't engage with the feedback, if there's a better way to help them learn from their mistakes."</p> |
| IMPROVEMENT OPPORTUNITIES | <p>Utilize a digital template library to quickly generate diverse homework sets; involve colleagues in a shared online platform for peer review to enhance assignment quality.</p> | <p>Offer digital copies in class website for easy access and clarification; establish a 'homework buddy' system, pairing students to discuss and understand assignments collaboratively.</p> | <p>Create a physical in/out tray system clearly labeled for submissions; introduce a simple, paper-based late slip with a reason code to manage and track late submissions effectively.</p> | <p>Implement AI grading software to automatically assess and grade standard assignments, allowing for quick turnaround; use analytics to collect data on common mistakes for targeted review sessions.</p> | <p>Utilize an app that compiles and highlights frequent errors, providing students with personalized feedback; conduct a class review using insights gathered by the AI to focus on areas needing the most.</p> |