



Planning the Ultimate Graduation Party with Inequalities

Introduction

In this group project, students will apply their knowledge of inequalities to plan the Ultimate Graduation Party within a given budget.

Objective

Students will be assigned a random budget to plan the Ultimate Graduation Party. They will use inequalities to set limits on guest numbers, choose a venue, book entertainment, and select the food for their party. By the end of this project, they will be able to demonstrate their understanding of inequalities in real-world situations.

Project Guidelines

1. Form Groups

To ensure every student has opportunities to contribute to the project, keep group sizes small. Assign students a partner to work with, or organize them into groups of three.

2. Select a Budget

Randomly assign a different budget to every group. Make the minimum budget \$3000 and then increase the budget by increments of \$500. For example, if your class has 5 groups, the possible budgets they could be assigned are: \$3,000, \$3,500, \$4,000, \$4,500, and \$5,000.

3. Student Guide

Give every group a copy of the student guide. They will work through the guide together. They will need to access the internet during this stage to research venues and entertainment.

4. Presentations

After students have finished the guide, they will create a presentation pitch for their party plan. In the presentation, each group will reflect on how using inequalities helped them make decisions. The rubric for the presentation is included in the student guide, so that students know how they will be graded.