

Project Summary: How to Design a New Park That Supports Local Plant Life?

Grade Level:

Upper elementary (4th–5th grade), middle school, and high school.

Project Overview:

In this project, students collaborate to design a new park that supports local plant life while addressing the needs of the community. The project aligns with Common Core and NGSS standards and includes rubrics to evaluate skills like problem analysis, project design, and teamwork.

Project Sections:

1. **General Guidelines** - Provides an overview of project expectations and team roles.
2. **Brainstorming** - Students identify key components of park design and refine project parts.
3. **Planning and Designing** - Teams create detailed plans covering location, landscaping, and attractions.
4. **Execution** - Teams develop designs using collaboration tools like Miro or Google templates.
5. **Experimenting** - Students test ideas and gather data to refine their park designs.
6. **Presentation** - Teams present final designs for community feedback and voting.

Why Use This Project?

This project connects students to real-world challenges by teaching them to design sustainable parks. It fosters critical thinking, teamwork, and problem-solving while engaging students in meaningful work. By aligning with standards and integrating community involvement, this plan ensures students gain practical skills that matter.