Problem-Based Learning Examples

Category	Example Title	Grade Level	Problem Description	Key Learning Goals
Science	The Polluted River	Elementary / Middle School	A local river is polluted, and students must investigate the causes and propose solutions.	Water cycle, ecosystems, pollution types, environmental impact, local government, persuasive communication
Math	Planning the Dream Vacation	Middle School	Plan a one-week vacation with a $5000 budget, including travel, lodging, food, and activities.	Budgeting, addition/multiplication, unit conversion, research, planning
Social Studies/History	Proposing a New Local Law	High School	Identify a local issue and draft a proposal for a new ordinance to address it.	Civic engagement, government structure, lawmaking process, persuasive writing
Language Arts	Creating a Persuasive Campaign	Middle / High School	Choose a school-related issue and develop a campaign to promote change using various media.	Persuasive writing, rhetorical devices, media literacy, campaign planning
Health / PE	Designing a School Wellness Program	High School	Create a wellness program addressing fitness, nutrition, and stress management for students.	Health education, needs assessment, program design, budgeting, communication
Arts	Public Art for the Community	Middle / High School	Design a public art piece that reflects the local community's identity and values.	Art history, design, community engagement, proposal writing, budgeting
Cross-Curricular	Planning a Zero-Waste School Event	Middle / High School	Plan a school event aiming for zero waste by applying environmental and logistical strategies.	Environmental science, event planning, logistics, budgeting, community education