

STEAMS Mahatma Gandhi Project-Based Lesson Plan (Grades 7-12)

Objective: The objective of this interdisciplinary lesson plan is to explore the historical significance, technological impacts, and societal implications of Mahatma Gandhi's leadership and philosophy of nonviolence. Through a STEAMS (Science, Technology, Engineering, Arts, Mathematics, and Social Studies) approach, students will engage in activities that integrate various disciplines to understand the multifaceted aspects of Gandhi's work, particularly his role in India's independence movement and his enduring global legacy.

Key Components

Science (S): Public Health and Social Justice

- ❖ **Topic:**
Study the intersection of public health and social justice in Gandhi's movement, particularly how his advocacy for cleanliness and sanitation impacted health outcomes in India.
- ❖ **Projects:**
 1. Conduct a research report on how Gandhi's emphasis on sanitation and personal hygiene affected community health in India, especially in rural areas. Analyze how these initiatives improved public health in marginalized communities.
 2. Create an infographic that explains how improving public sanitation in modern-day rural communities can lead to better health outcomes.

Technology (T): Media and Communication in Political Movements

- ❖ Topic:
Explore how Gandhi’s message of nonviolence and civil disobedience was communicated to the masses using the media of the time and how modern technology could have amplified his movement.
- ❖ Projects:
 1. Develop a timeline that examines the evolution of media technology, including Gandhi’s movement, and its impact on social movements. Compare how Gandhi’s message might be spread using today’s digital platforms, social media, and mass communication tools.
 2. Create a video project that analyzes how Gandhi’s speeches, writings, and ideas were disseminated through newspapers, radio, and other media during his time.

Engineering (E): Designing Spaces for Peaceful Resistance

- ❖ Topic:
Examine how public spaces can be designed to promote peace, equality, and community action in the spirit of Gandhi’s philosophy of nonviolence.
- ❖ Projects:
 1. Design a concept for a public memorial or space dedicated to Gandhi’s Salt March or another peaceful protest. Focus on how the architecture and layout of the space can reflect the values of peace and community.
 2. Create a blueprint for a community center that incorporates features aimed at fostering nonviolent action, education, and equal access. Base your design on the principles of Gandhi’s ashrams and his ideals of simplicity, sustainability, and inclusivity.

<p>Arts (A): Creative Expression of Gandhi's Philosophy</p>	<ul style="list-style-type: none"> ❖ Topic: Explore the emotional and cultural impact of Gandhi's philosophy through artistic expression. ❖ Projects: <ol style="list-style-type: none"> 1. Create a piece of visual art, such as a painting, mural, or digital artwork, that captures the essence and emotion of Gandhi's teachings on nonviolence, civil disobedience, and equality. 2. Write a poem, song, or reflective essay that interprets Gandhi's vision of peace and its relevance in today's world, connecting it to contemporary struggles for justice, equality, and nonviolent resistance.
<p>Math (M): Economic Analysis of Nonviolent Movements</p>	<ul style="list-style-type: none"> ❖ Topic: Use mathematical tools to analyze data related to social inequality, economic conditions, and the effects of nonviolent resistance on social change. ❖ Projects: <ol style="list-style-type: none"> 1. Create infographic that gathers and analyzes statistical data on economic conditions in India before, during, and after Gandhi's campaigns for independence. 2. Simulate the economic burden of the Salt Tax. Calculate the percentage of a family's income that went to purchasing salt and compare it to modern-day equivalents in various countries.

Social Studies (SS): Historical Context and Global Impact

- ❖ Topic:
Explore the historical context of Gandhi's leadership and the global influence of his philosophy of nonviolence.
- ❖ Projects:
 1. Create a detailed timeline of key events in Gandhi's life and India's fight for independence, focusing on major campaigns such as the Salt March, Quit India Movement, and the Civil Disobedience Movement.
 2. Create a mock debate regarding how Gandhi's strategies were grounded in nonviolence and how they reshaped Indian society.

Assessment Criteria

The assessment for the STEAMS Mahatma Gandhi Project-Based Lesson Plan will follow the 8-Step PBLP Framework to ensure students engage deeply with interdisciplinary learning. The process begins with a Round Table discussion on Gandhi's nonviolence and its impact on society, followed by a Reflection Point where students explore what they don't know about Gandhi's legacy. Through Knowledge Setting, students will formally learn about the topic and engage in project-based learning activities, culminating in a group Project focused on Gandhi's influence. The project is implemented into the community and assessed by stakeholders, and then peer reviews during the Feedback Loop will refine their understanding. The final assessment includes applying their work to Resume Integration for real-world application.