STEAMS Rosa Parks Project-Based Lesson Plan (6-8)

Objective: The objective of this project is to engage middle school students (grades 6-8) in an in-depth exploration of the life, actions, and impact of Rosa Parks during Black History Month. Through the integration of Science, Technology, Engineering, Arts, Math, and Social Studies (STEAMS), students will gain insights into Parks' role in the Civil Rights Movement and her enduring legacy.

Key Components

Science (S): Civil Rights and Human Dignity	Topics: ❖ Explore the scientific principles of human dignity and equality. ❖ Discuss the psychological effects of segregation and discrimination on individuals.
Technology (T): Digital Research and Presentation	Topics: ❖ Utilize technology tools for digital research on Rosa Parks' life and contributions. ❖ Create multimedia presentations incorporating images, videos, and audio recordings.
Engineering (E): Designing Civil Rights Monuments	Topics: ❖ Discuss the engineering challenges and considerations in monument design.
Arts (A): Expressing Social Justice Through Art	Topics: ❖ Integrate arts by creating artwork inspired by Rosa Parks' courage and activism. ❖ Analyze and interpret iconic images related to the Montgomery Bus Boycott and Civil Rights Movement.
Math (M): Analyzing Social Justice Data	Topics:

	❖ Apply mathematical concepts to analyze data related to segregation and civil rights. ❖ Interpret graphs and charts depicting demographic trends and civil rights milestones.
Social Studies (SS): Civil Rights Movement and Social Change	Topics: ❖ Explore the historical context of the Civil Rights Movement and Rosa Parks' role. ❖ Discuss the impact of Parks' actions on social change and equality.

Project Phases and Timeline

Week 1-2: Introduction to Rosa Parks and Civil Rights	Activities: ❖ Introduce Rosa Parks and her significance in the Civil Rights Movement. ❖ Discuss the historical context of segregation and discrimination in the United States.
Week 3-4: Science and Technology - Digital Research	Activities: ❖ Conduct digital research on Rosa Parks' life, activism, and impact. ❖ Compile information and multimedia resources for presentations.
Week 5-6: Technology - Technological Advancements	Activities: ❖ Engage in the engineering design process to create models or sketches of civil rights monuments. ❖ Discuss the symbolism and significance of civil rights monuments in public spaces.
Week 5-6: Engineering - Designing Civil Rights Monuments	Activities: ❖ Engage in the engineering design process to create models or sketches of civil rights monuments.

	❖ Discuss the symbolism and significance of civil rights monuments in public spaces.
Week 7-8: Arts Integration - Expressing Social Justice Through Art	Activities: ❖ Create artwork inspired by Rosa Parks' courage and activism. ❖ Analyze and discuss the visual representation of social justice themes in art.
Week 9-10: Math - Analyzing Social Justice Data	Activities: ❖ Analyze statistical data related to segregation, discrimination, and civil rights. ❖ Interpret graphs, charts, and data sets to understand historical and contemporary social justice issues.
Week 11-12: Social Studies - Civil Rights Movement	Activities: ❖ Explore key events and figures of the Civil Rights Movement, with a focus on Rosa Parks and the Montgomery Bus Boycott. ❖ Discuss the strategies and tactics employed by civil rights activists to bring about social change.

Resource Needs

1. Planning and Research:	❖ Materials: ❖ Technology: ❖ Experts/Community Resources:
2. Science Component:	❖ Lab Equipment: ❖ Materials: ❖ Technology:
3. Technology Integration:	❖ Devices: ❖ Software: ❖ Technical Support:
4. Engineering Design and Prototyping:	❖ Materials: ❖ Tools: ❖ Technology:

5. Arts and Design Elements:	❖ Art Supplies: ❖ Multimedia Tools: ❖ Technology:
6. Mathematical Calculations:	❖ Calculators: ❖ Tools: ❖ Technology:
7. Social Studies Connection:	❖ Reference Materials: ❖ Guest Speakers: ❖ Field Trip:

Assessment Criteria

Science:	Understanding of Rosa Parks' life, actions, and impact on the Civil Rights Movement.
Technology:	Effective use of technology for research.
Engineering:	Creativity and craftsmanship in designing civil rights monuments and creating artwork.
Arts:	Understanding iconic images and social justice creations.
Math:	Accuracy and interpretation of social justice data analysis.
Social Studies:	Insightful contributions to discussions on the Civil Rights Movement and social change.