

STEAMS Ruby Bridges Project-Based Lesson Plan (K-12)

Objective: The primary objective of this lesson plan is to immerse students in an interdisciplinary exploration of Ruby Bridges' life and the Civil Rights Movement, fostering empathy, critical thinking skills, and an understanding of social justice issues. By integrating STEAMS components, students will delve into various aspects of Ruby Bridges' story, including history, literature, art, mathematics, and social studies.

Key Components

Science (S):	Topics: <ul style="list-style-type: none">❖ Investigate the scientific concepts related to racial segregation and discrimination, discussing the impact on individuals and society.
Technology (T):	Topics: <ul style="list-style-type: none">❖ Utilize digital tools to research Ruby Bridges' biography, historical events, and the Civil Rights Movement.❖ Create digital presentations or multimedia projects to showcase key aspects of Ruby Bridges' life and contributions to the fight for equality.
Engineering (E):	Topics: <ul style="list-style-type: none">❖ Engage in an engineering design challenge inspired by Ruby Bridges' courage and perseverance.❖ Design and build structures or models representing bridges, symbolizing connections and unity in the face of adversity.
Arts (A):	Topics: <ul style="list-style-type: none">❖ Explore the artistic representations of Ruby Bridges' story through literature, music, and visual arts.

	<ul style="list-style-type: none"> ❖ Create original artwork inspired by Ruby Bridges' experiences, using various artistic mediums to convey emotions and themes.
Math (M):	<p>Topics:</p> <ul style="list-style-type: none"> ❖ Apply mathematical concepts to analyze data and statistics related to segregation and educational inequality during Ruby Bridges' time. ❖ Explore mathematical puzzles or challenges inspired by Ruby Bridges' story, such as calculating distances or proportions in the context of integration efforts.
Social Studies (SS):	<p>Topics:</p> <ul style="list-style-type: none"> ❖ Delve into the social and historical context of Ruby Bridges' life, including the broader implications of the Civil Rights Movement. ❖ Discuss the impact of Ruby Bridges' actions on the fight for racial equality and the ongoing struggle for social justice.

Project Phases and Timeline:

Day 1: Introduction to Ruby Bridges	<ul style="list-style-type: none"> ❖ Introduction to Ruby Bridges and the Civil Rights Movement. Discuss the historical context and significance of her story.
Day 2: Science and Technology	<ul style="list-style-type: none"> ❖ Research Ruby Bridges' biography and the events surrounding her integration of William Frantz Elementary School. Explore the scientific and technological advancements of the

	Civil Rights Era.
Day 3: Engineering	<ul style="list-style-type: none"> ❖ Engage in an engineering design challenge inspired by Ruby Bridges' courage. Design and build structures or models representing bridges as symbols of unity and progress.
Day 4: Arts	<ul style="list-style-type: none"> ❖ Explore the artistic representations of Ruby Bridges' story through literature, music, and visual arts. Create original artwork inspired by her experiences and the themes of courage and perseverance.
Day 5: Math	<ul style="list-style-type: none"> ❖ Analyze data and statistics related to segregation and educational inequality during Ruby Bridges' time.
Day 6: Social Studies	<ul style="list-style-type: none"> ❖ Discuss the broader implications of her actions and the ongoing struggle for social justice.

Assessment Criteria

Students will be assessed based on their participation in discussions, completion of assignments and projects, creativity in design challenges and artwork, and understanding of the historical and social context of Ruby Bridges' story.