Ozobot Lesson Plan

5th	**Topic**: Social Studies History Review	

Standards: SS5H1-7

Essential Question: What central themes do we see throughout history?

Vocabulary: Timeline	**Materials**: Ozobot(s) (1 Ozobot per group) Bulletin Board Paper (~5-6 ft. long) Ozobot markers (or similar markers) Ruler Themes in History STEM Challenge Ozobot Color Code Reference Chart

Instruction:
1. Explain instructions to students using Themes in History STEM Challenge slides
2. Group students and distribute Themes in History STEM Challenge paper and materials. (Some teachers may prefer to distribute materials as students reach step)
3. Students will work in groups to complete the following:
   a. Identify major themes present in each event and choose the 15 most important events
   b. Create a timeline of the events, adding a title
   c. Draw a color-coded line for Ozobot to follow. Using a key, students will identify which ozobot movement corresponds with which historic theme.
4. When students complete their timeline, they should test their completed project. If the project doesn't work as planned, students should be encouraged to improve their design.

Summarizer/Assessment: Teacher observation **Students can improve timeline until Ozobot moves along the entire timeline	**Teacher Notes** This is a great way to review yearlong history instruction and prepare for End of Grade assessments/Milestones.

THEMES IN HISTORY STEM CHALLENGE

THE CHALLENGE

The Atlanta History Center is looking for a new display that connects Social Studies and Science. Now that you have learned American History, you are the expert they are looking for! Create a timeline of major events. Use the ozobot to signify the occurrence of major themes throughout history.

THEMES IN HISTORY

Beliefs & Ideals

People's ideas & feelings influence their decision

Example: Revolutionary War

Conflict & Change

Conflict causes change

Example: Civil War

Individuals, Groups, & Institutions

What people, groups, and institutions say and do can help or harm others whether they mean to or not

Example: Women's Movement during WW2

We Can Do It!

Movement & Migration

Moving to new places changes the people, land, and culture

Example: 1920s Immigration

Technological Innovation

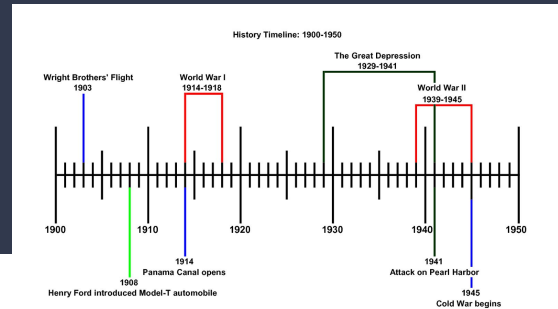*New technology has both negative & positive consequences*

Example: Atomic Bomb

HISTORICAL DATES

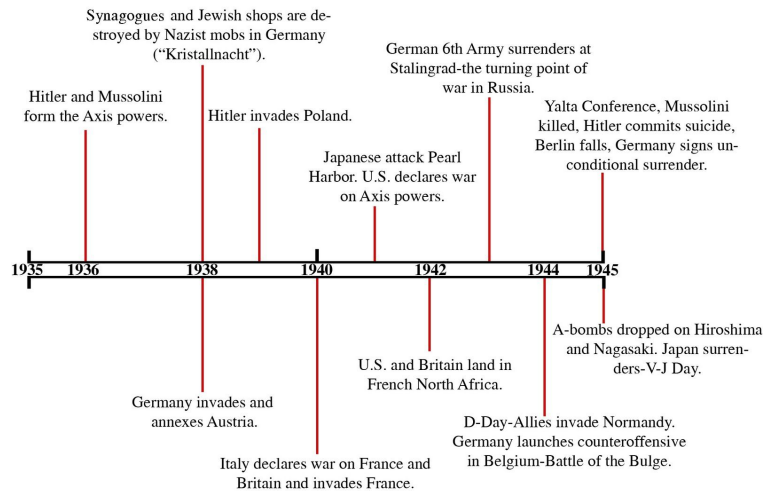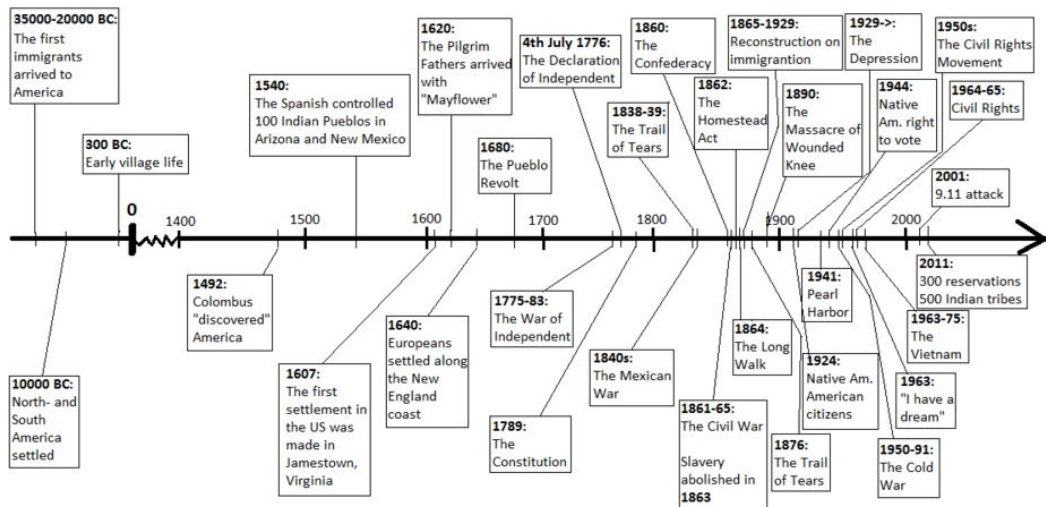|	DATE	EVENT	THEME
	April 21 - August 13, 1898	Spanish-American War	
	December 17, 1903	Wright brothers first plane flight	
	August 15, 1914	Panama Canal opened	
	May 7, 1915	Sinking of the Lusitania (U.S. joined World War I)	
	November 11, 1918	End of World War I	
	October 29, 1929	Stock Market Crash of 1929	
	March 4, 1933	FDR elected president and started New Deal	
	December 7, 1941	Attack on Pearl Harbor	
	June 6, 1944	D-Day	
	May 8, 1945	Holocaust ended/VE Day	
	August 6, 1945	America dropped atomic bomb on Hiroshima	
	January 10, 1946	First meeting of United Nations	
	June 25, 1950	Korean War started	
	May 17, 1954	Brown v. Board of Education decision	
	November 1, 1955	Vietnam War started	
	December 1, 1955	Rosa Parks refused to give up her bus seat	
	October 16 - 28, 1962	Cuban Missile Crisis	
	November 22, 1963	John F. Kennedy Assassinated	
	April 4, 1968	Martin Luther King, Jr. Assassinated	
	July 20, 1969	Neil Armstrong walked on the moon	
	December 25, 1991	Soviet Union fell	
	September 11, 2001	Planes crashed into Twin Towers & Pentagon	

THEMES IN HISTORY STEM CHALLENGE

HOW DO WE "MAP" HISTORY?

Timelines!

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THEMES IN HISTORY STEM CHALLENGE

Criteria & Constraints

1. Timeline must include 15 events from your list.
2. You must use at least four themes throughout your timeline.
3. Each event must have at least ONE theme tied to it.
4. The ozobot must make it from one side to the other without any human fixing.
5. Your project must look professional. It is going in the Atlanta History Center after all!

Time limit: 1 hour today

Steps

1. Meet with your partner discuss the historical events. Choose the 15 events you are going to include.
2. Identify which themes are present in each event.
3. Create your timeline on the long piece of paper. Use a pencil FIRST, then trace with marker.
4. Add a TITLE to your timeline.
5. Create a KEY that shows which historical themes are connected with the ozobot movement.
6. Draw a line IN PENCIL for your ozobot. Add the movement code first and then add the black line. Remember, the thicker and cleaner your lines are, the better!
7. When you are finished, check and check again.