

## WWII Circuit Map Lesson Plan

**Teacher:** Jacquelyn Nickey  
**Class:** World History

**Date:** 04/20/17  
**Grade:** 10

### Lesson Objective(s):

SWBAT identify European countries on a map as Allied, Axis, or neutral during WWII.

SWBAT create a map incorporating Chibitronics circuit stickers to light up Allied and Axis powers in WWII Europe on two individual circuits.

### Standard(s) Addressed:

- **8.1.U.C** Analyze, synthesize and integrate historical data, creating a product that supports and appropriately illustrates inferences and conclusions drawn from research.
- **8.4.W.A** Evaluate the role groups and individuals played in the social, political, cultural, and economic development throughout world history.
- **7.1.9.B** Explain and locate regions and their shared connections as defined by physical and human features.
- **3.4.10.C1** Apply the components of the technological design process.
- **3.4.10.C2** Analyze a prototype and/or create a working model to test a design concept by making actual observations and necessary adjustments.
- **3.4.10.D1** Refine a design by using prototypes and modeling to ensure quality, efficiency, and productivity of a final product.
- **3.4.10.D3** Synthesize data, analyze trends, and draw conclusions regarding the effect of technology on the individual, society, and the environment.
- **ISTE Standards 1-6**

### Materials:

- |                             |                       |                        |
|-----------------------------|-----------------------|------------------------|
| ▪ iPads                     | ▪ Student Notes       | ▪ Printed Maps of WWII |
| ▪ Chibitronics LED Stickers | ▪ Coin Cell Batteries | Europe                 |
| ▪ Chibitronics Copper Tape  | ▪ Binder Clips        |                        |

### Lesson Delivery:

#### Opening

Students will be given a blank map on which to locate the major countries of WWII Europe and identify them as belonging to the Allied Powers or the Axis Powers, or being neutral.

#### Demonstration

Using the Chibitronics classroom kit, teacher will demonstrate how to build a simple circuit on a greeting card. Each student will be given a greeting card and allowed to complete a sample circuit as well.

#### Activity

Students will compare maps and from their three drafts, they will complete a final map on which they all agree with the Allied and Axis Powers identified by color. Working together, students will design a plan to

create two individual circuits: one to light up the Allied Powers and one to light up the Axis Powers.

When students have drafted a plan for their circuits, they will be given the copper tape, LED stickers, and coin cell batteries and be given freedom to troubleshoot and build the circuits. The teacher will offer advice, encouragement, and hints as needed but stay out of the way to allow students to learn what works, what doesn't work, and how to make it to their final product.

Students will work until they reach their goal, with up to 3 Social Studies periods across 3 consecutive days to complete the lesson from start to finish.

**Monitoring and Assessing Learning:**

Student Maps: Identification of countries on a map of WWII Europe as Allied, Axis, or neutral.

Observation and Discussion: Understanding of the terms: Allied Powers, Axis Powers, neutral powers.

**Accommodations and Adaptations:**

2 out of 3 students in this class have IEPs with the following SDI for both:

- **Small Group Instruction** - the class is a small structured group with only 3 students
- **Immediate Positive Reinforcement** - teacher will provide positive reinforcement and encouragement throughout the planning and production stages of the lesson
- **Extended Time** - all three students will be provided up to 3 class Social Studies periods across 3 consecutive days to complete the lesson from start to finish