

## The electrical circuit



11-15

1 h

### LEARNING OBJECTIVES

- Learn how the electrical circuit works
- Learn how accidents can be avoided

### MATERIALS NEEDED

- Video projector
- Computers with Internet access
- Electrical circuit materials (lamp, wire, switch etc.)

### LEARNING SCENARIO AND ACTIVITIES PROPOSED

#### 1) Introduction (10 minutes)

The teacher explains what an electrical circuit is and gives the definition.

For this to be better understood, the teacher shows the following video on the projector:

[“How To Make a Simple Electric Circuit | Working Model School Science Project”](#) from School Science Project Ideas.

#### 2) Practice (20 minutes)

The students practice connecting an electrical circuit. The teacher is always guiding and monitoring them to make sure that no accidents occur.

#### 3) Production (25 minutes)

The students find examples of electrical circuit experiments on TikTok and recreate them or come up with examples of their own. They film their efforts and upload them on

a class social media account they created (Note: the students should use a class social media account and not their personal social media accounts to protect their privacy).

#### **4) Conclusion (5 minutes)**

The teachers sum up what they have learned in the lesson.

### **EXPECTED DIFFICULTIES AND PROPOSED SOLUTIONS**

- Potentially, it could be dangerous, and accidents could occur, but they could be avoided with proper supervision.

### **ASSESSMENT**

- A quiz on electrical circuit connection that the teacher assigns for homework

### **BIBLIOGRAPHY**

- Technology, E., & Technology, E. (2022). What is an Electric Circuit? Types of Circuits and Network. ELECTRICAL TECHNOLOGY.  
<https://www.electricaltechnology.org/2014/01/important-terms-related-to-electric-circuits-and-networks.html>