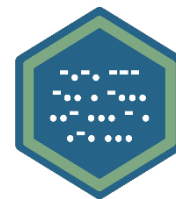


## **Morse Codebusters (45 Minutes - Coach Scheduled Event)**

**Description:** Teams will create a simple lighted telegraph to send and receive messages in morse code between two stations placed between 1 and 2 meters apart.

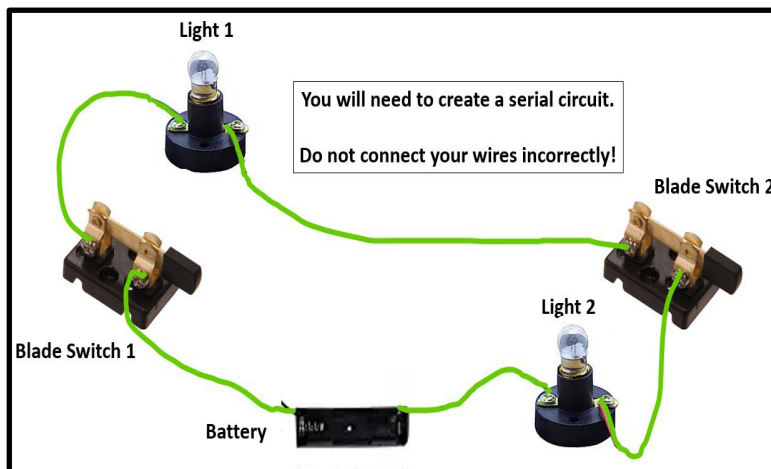


**Participants per team:** 2

### **Spirit of the competition:**

- It is a rules violation if coaches, parents, mentors, or spectators enter the competition area or communicate with the team members at any time during the competition. Violation of this rule will place the team below all other teams.

**Safety Requirements: DO NOT TOUCH WIRES TOGETHER!**



### **Materials:**

- Teams may bring writing utensils and blank scratch paper.
- The Event Supervisor will provide materials: batteries and holders, wires, lights and holders, switches and a privacy divider. Only the materials provided can be used.
- Teams may not use any externally sourced resource materials or research notes during the competition.

### **The Competition:**

- This is a timed event with teams sending, decoding and replying to as many messages within a 10-minute session.
- Teams will build a simple two station lighted telegraph.
- Teams are not allowed to communicate with each other during the sending and receiving of messages, except through morse code.
- Each team member will alternate sending, decoding and replying to messages.
- Each message sent will be in the form of a question related to the history of Morse Code.
- No message will have a readability higher than 9th grade.
- Each team member will write down their decoding of the message they receive and the answers they send.
- Teams may use only traditional abbreviations and prosigns to send their messages.
- Time will not stop between messages.

### **Scoring:**

- The high score wins.
- Teams scores are calculated on the total number of correct messages coded, deciphered, and answered in

the shortest amount of time measured to the nearest 1/10 of a second.

**Tie Breakers:**

- Teams that create a correct and working circuit will rank ahead of all others
- Time teams take to complete their first message

**Possible Resources:**

Division A will not release previous tests, or the exact resources used by the Event Supervisor or test writer for any events. The listed resources are meant as a starting point. It is up to the competitor to research further.

- [Morse Code: The Ultimate Archive | The Daily Dabble](#)
- [How to Use Morse Code With Light | The Daily Dabble](#)
- [How to Learn Morse Code](#)
- [Morse Code Translator](#)