

# Evo Quick Quiz: A Classroom Utility for All Topics and Grade Levels

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## Introduction

Wouldn't it be great if you could occasionally give your students a quiz that might even be considered *fun* to take? You say, "Can't be done!" Ah—but it *can* with Evo. Regardless of the grade level and the topic for your quiz questions, you can use the included OzoBlockly program to prepare a ten question quiz for your students to take. Questions can be any combination of true/false and multiple choice types. You store the answers to the questions when loading the OzoBlockly program into Evo. Students then use Evo to guide them from one question to the next as shown in the example Ozomap quiz of Figure 1. They enter their answer to each question by pressing Evo's button. After completing the quiz, Evo provides feedback by speaking the question numbers that were incorrectly answered and also speaks the student's score—number of correct answers in the ten questions.

**Evo Quick Quiz**

Red A/True Green B/False Blue C Yellow D

- GEOGRAPHY** Which one of the following four continents is the largest?  
(A) Africa (B) South America (C) North America (D) Asia
- LANGUAGE** Which one of the following words is a preposition?  
(A) after (B) gently (C) animal (D) jump
- INVENTION** Who is generally credited for inventing the light bulb?  
(A) Marconi (B) Franklin (C) Edison (D) Bell
- LITERATURE** What American poet is famous for writing "The Raven".  
(A) Whitman (B) Frost (C) Cummings (D) Poe
- MATHEMATICS** The number 1 is a prime number.  
(A) True (B) False
- CHEMISTRY** What is the symbol for the element potassium?  
(A) K (B) Po (C) Pt (D) P
- GEOGRAPHY** What is the longest river in the world?  
(A) Nile (B) Yangtze (C) Mississippi (D) Amazon
- HISTORY** When did World War I begin?  
(A) 1912 (B) 1913 (C) 1914 (D) 1915
- ART** Which artist is famous for creating the "Mona Lisa"?  
(A) Rembrandt (B) da Vinci (C) Seurat (D) van Gogh
- PHYSICS** Which one of the following four colors of light has the longest wavelength?  
(A) red (B) green (C) blue (D) yellow

Answered Incorrectly SCORE

Figure 1

Figure 1 shows that you can create questions from virtually any topic you wish. Maybe your students just finished a reading lesson and you want to quiz their comprehension. Perhaps you are a math teacher and want to quiz your class on their understanding of proportions. Or you might even be an art teacher desiring to quiz on a color wheel discussion you have just finished. Regardless of the topic, you have a variety of approaches you can take with **Evo Quick Quiz**. You could enter the questions on the Ozomap using word processing software. Alternatively, you could write the questions on the Ozomap using a pen or pencil. Your questions could even include small sketches if necessary. Finally, you might simply give the students a blank Ozomap and read the questions to them during the last five to ten minutes of class. Any student or group working together that gets a perfect score from Evo's immediate feedback could be awarded in a way of your choosing! Students may even ask the next morning, "Can we take another **Evo Quick Quiz** today?"

### **Providing Evo with the Correct Answers**

With the OzoBlockly program *Evo Quick Quiz.ozocode* opened in OzoBlockly, simply scroll to the far left of the OzoBlockly workspace. You will see a purple subroutine with the name "Define Answers", as shown in Figure 2. This subroutine contains ten blue blocks with the question numbers 1 through 10. The correct answer to each question appears at the far right of each of these blue blocks. For true/false questions answers A and B are used for true and false, respectively. For multiple choice questions, there are four answers: A, B, C, and D. To change the answers to those of your quiz, all you need to do is click the down-arrow and select the desired correct answer from the top of the drop-down list. After entering your correct responses to the ten questions, you are ready to load the program into your Ozobot Evo's for the class to use when taking the quick quiz.

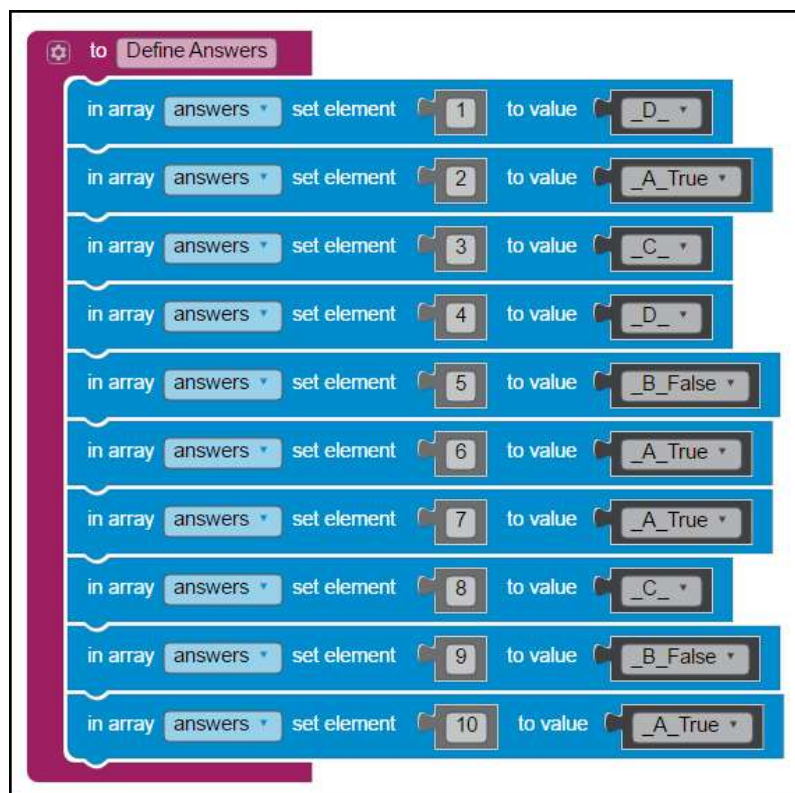


Figure 2

### ***Running the Evo Quick Quiz Program***

1. The **teacher** needs to load the class Evo's with the *Evo Quick Quiz.ozocode* program, as the students would be able to see the answers in the OzoBlockly workspace if they loaded the program..
2. To run the loaded program on Evo, begin with Evo powered down. Place Evo centered on the gray circle at the top of the Ozomap and facing the direction shown by the gray arrow. The next to the last page of this document contains the example Ozomap quiz. The last page of this document contains a "blank" Ozomap in which the teacher can record questions of his or her choice, and copy for student use with Evo. Note that you can make copies in all black rather than color if you wish, since the names of the colors appear above the colored circles at the top of the Ozomap.
3. Press Evo's button once to turn Evo on. Then when the front light shows light blue, quickly double-press the button. The OzoBlockly program has started running, Evo's top light will turn white, and Evo will move to the intersection for question 1.
4. Evo's top light will then cycle from red to green to blue to yellow over and over again. The student simply needs to press Evo's button when the color of the top light matches the answer of his or her choice. The top light remains each color for 3 seconds. Students should be advised to click the button as soon as the light has changed to the desired color, and not near the end of the three second interval. When the button has been pressed, Evo will flash white and move to the next question.
5. The student proceeds in the manner described above for the remaining nine questions.
6. After responding with an answer to the final question, Evo will move to intersection labeled "Answered Incorrectly" and speak the *numbers* of any questions that were answered incorrectly. Finally, Evo will move to the intersection labeled "SCORE" and speak the number of questions answered correctly out of ten possible. A perfect score of 10 is rewarded by Evo doing a disco animation and then spinning around in joy! Teachers may, in addition, come up with their own rewards for exceptional performance.
7. The teacher may want to ask students to repeat the quiz for another try at the questions answered wrong. Alternatively, the teacher may wish to poll the class and discuss the questions with the most incorrect responses.



Red



A/True

Green



B/False

Blue



C

Yellow



D

**Evo  
Quick Quiz**

- 1 **GEOGRAPHY** Which one of the following four continents is the largest?  
(A) Africa (B) South America (C) North America (D) Asia
- 2 **LANGUAGE** Which one of the following words is a preposition?  
(A) after (B) gently (C) animal (D) jump
- 3 **INVENTION** Who is generally credited for inventing the light bulb?  
(A) Marconi (B) Franklin (C) Edison (D) Bell
- 4 **LITERATURE** What American poet is famous for writing "The Raven".  
(A) Whitman (B) Frost (C) Cummings (D) Poe
- 5 **MATHEMATICS** The number 1 is a prime number.  
(A) True (B) False
- 6 **CHEMISTRY** What is the symbol for the element potassium?  
(A) K (B) Po (C) Pt (D) P
- 7 **GEOGRAPHY** What is the longest river in the world?  
(A) Nile (B) Yangtze (C) Mississippi (D) Amazon
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- 9 **ART** Which artist is famous for creating the "Mona Lisa"?  
(A) Rembrandt (B) da Vinci (C) Seurat (D) van Gogh
- 10 **PHYSICS** Which one of the following four colors of light has the longest wavelength?  
(A) red (B) green (C) blue (D) yellow

Answered  
Incorrectly

SCORE



Red

☐ A/True

Green

☐ B/False

Blue

☐ C

Yellow

☐ D

***Evo***  
***Quick Quiz***

1

2

3

4

5

6

7

8

9

10

Incorrect  
Questions

SCORE