

TEACHER – Decagon Traveler Challenge

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In this teacher guide, the author's OzoBlockly solution to the "Decagon Traveler" challenge is presented. The complete code with comments is shown in Figure 1.

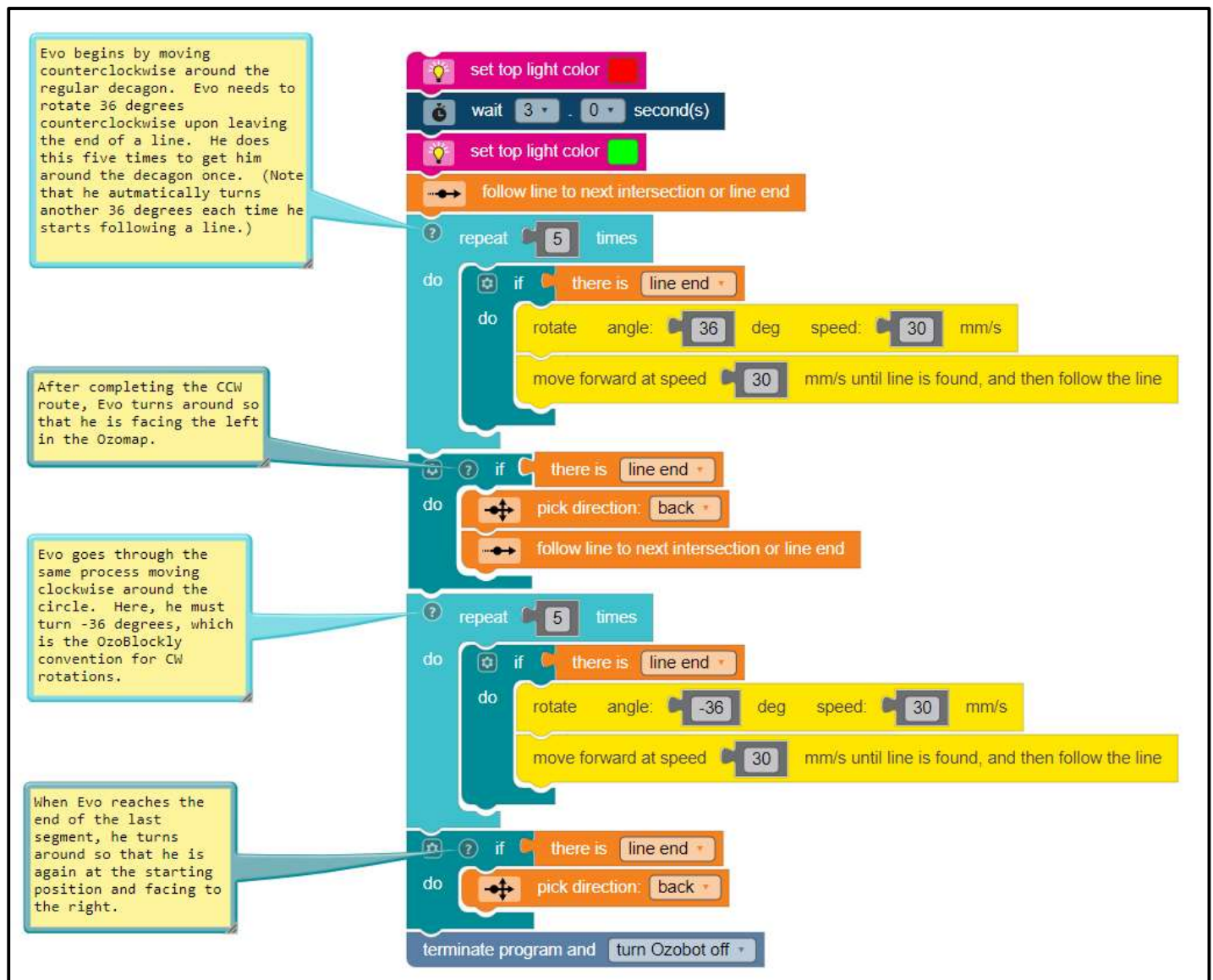


Figure 1

Ways to Use This Challenge with Your Students

1. At the simplest level you can present the author's solution to the students and help them do a code review similar to that presented above.
2. You can present the challenge to the class without any indication of how to code it in OzoBlockly—and then let the students come up with their own solution. Students could then present their solutions to the class for a discussion of its advantages and disadvantages. (Students may even come up with a “better” solution than the author's solution! All the power to them!)

Regardless of the approach that you choose, it is suggested that students view the accompany video that shows Evo perform the Decagon Traveler challenge. This will give them a chance to view the ultimate goal of their work.

If class time is an issue, you may want to assign coding the challenge as a homework project and then have the students present their solutions as part of a class discussion.