Carolina's Young Innovators℠

DEVON AND TREVOR LANGLEY

Terre Haute, Indiana Ages 14 (Devon) and 11 (Trevor) at the time of innovation

ACHIEVEMENT: PART OF A TEAM THAT INVENTED AN APP TO HELP STUDENTS WITH DYSLEXIA LEARN MATH

Dyslexia is a condition that can make it difficult to make sense of words. Imagine trying to read the word "cat" but instead think "tac." It can also make math concepts difficult.

Devon and Trevor were inspired to learn about dyslexia after hearing an actor speak of his struggles with undiagnosed dyslexia as a child. They found that there were apps to help students with dyslexia with reading but very little to help with math.

The pair teamed up with other students and looked to the rainbow for a solution. Realizing that even young students are familiar with the color pattern in a rainbow, they created the ROY G. BIV Math System—a color-coded system that helps students with dyslexia keep digits in place. By assigning a unique color to each place value, children can visually recognize if they unintentionally move digits, making doing math easier.