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

Sometimes learning to read is hard. Especially if the letters in the words get mixed up in the brain. This is called dyslexia. Dyslexia is a condition that can make it difficult to make sense of words. When you read the word "cat," your brain sees "tac." This challenge can also make math concepts difficult.

Devon and Trevor heard an actor speak. He spoke about his struggles with dyslexia. He didn't know why he had trouble reading as a child. Devon and Trevor became inspired to learn more about dyslexia. They found that there were reading apps to help students with dyslexia. But there was very little to help with math.

The pair teamed up with other students to find a solution. The team realized that even young students are familiar with the color pattern in a rainbow. So, they created the ROY G. BIV Math System. This is a color-coded system. Different colors help students with dyslexia keep digits in place. They assigned a unique color to each place value. Now children can visually recognize if they accidentally move digits. This tool makes doing math easier.