Why learn coding?
Day of Code was originally created to help students and educators realize the importance of computer science and computer literacy, and that is still an important goal to this day. Computer science has helped many Programming Club members in our day to day classes, from spreadsheets and LaTeX improving our experience in math and science classes, to a Chrome extension to improve the e-textbook in english classes, to interactive experiences and animations for history projects—a basic understanding of code has the ability to enhance the educational experience.

Why learn AR?
AR is a unique ability of our iPads as opposed to traditional 'PCs'. AR has many applications in the classroom, which can be utilized by apps like Google Expeditions, which has a wide range of models to allow your students a unique, hands-on visual experience in almost any subject area, AR Sandbox, which allows for the simulation of erosion, HP Reveal, which allows the sharing of AR models, and AR Makr, which allows you to create a wide range of models.

Why did we choose AR Create?
With several years of experience of designing and teaching Day of Code activities, DHS Programming Club had several goals: effectively teach some basic coding, show students a cool and unique aspect of computer science they may not be familiar with, and engage them in this learning by allowing them to be creative. We also had the requirement of finding something that would work on the iPads in order to fully take advantage of the school's 1:1 program. AR Create checked all of these boxes, making it the perfect subject app for our first school-wide HOC activity.

Our video: This is the main instructional video for the HOC activity. Please take 10 minutes to share this video with your class: [link]

Our power-point: If you would like to give your students access to our slides, the presentation can be found here.

Troubleshooting guide for common issues: If anyone in your class runs into trouble, we have created a common issue troubleshooting guide which can be found here.

AR Create quick reference guide: If you would like to give your class time to work on creating a scene in AR, you might want to share our quick reference guide, which can be found at hoc.dhsprogramming.com