



# Vectors, theorems, and polygons... Oh my!

How one school used SAM Animation to cover a wide range of topics AND guide students through the process.

Tess Mandell, a STEAM (Science, Technology, Engineering, Art, and Math) teacher at Boston Arts Academy covers a wide array of topics and subjects with her high school students. "We love using SAM Animation," says Ms. Mandell. "Since we touch on so many subject areas, we wanted to provide students with a process they could use to help them all the way from choosing a topic to understanding how they would be evaluated."

To help with this, Ms. Mandell provided students with a "road-map" they could follow.



"We found that students really pushed themselves throughout this process."

- Tess Mandell, STEAM teacher



SAM Animation is now called HUE Animation

"SAM Animation forces students to truly think about what they are learning."

- Tess Mandell, STEAM teacher

Rather than simply assigning a topic to a team of students, Ms. Mandell created a list of subjects, rating each on how difficult it might be to create an animation for that particular topic. For example, calculating slopes was given one star (low difficulty), while transversals was given three (high difficulty). "The idea was to motivate students and help position them for success," added Ms. Mandell.

Students were given project timelines and even a rubric they could follow to help them understand how their work would be evaluated.

Once students had an overall understanding of the processes, the first step was to conduct research - stressing that the better the research, the more likely the students would be to produce a high quality animation. This research included documenting the "big picture" of what they were trying to show and identifying key vocabulary, concepts, and problem scenarios for a topic.

"We were less concerned with the quality of the animations and more focused on ensuring we had enhanced student learning and the educational process," noted Ms. Mandell. "With that said, we had some GREAT animations!"

**Want to learn more? Contact us to see how HUE Animation can help you reach your class' objectives.**