

**Anton Brinckwirth**

**EDIS 5070 - Instructional Technology Design**

**Technology Proficiency 4: *A Virtual Field Trip to Brazil's Most Iconic Site in 30 Seconds: Rio de Janeiro***

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**Technology:** Google Earth Studio

**Link to Proficiency:** <https://youtu.be/3oKmeYKeeyQ> (Note: Set your YouTube player to 4K video quality.)

**Targeted Learners/Content area:** K-12, all grades, all levels

**Lesson objectives:** Any history, geography, social studies, world languages, and/or culture and civilization lessons can be enhanced with rich Google Earth Studio animations.

**The viewer experience:** In this animation, the viewer is flown directly into Rio and shown stunning views around this massive city, often referred to as the Paris of South America, or the Marvelous City, Cidade maravilhosa. Toward the end of this one-minute video, when only the endlessness of Rio's cityscape appears to be the video's purpose, the camera focuses on the exact spot mentioned in the title of the clip, and the creator's true vision is revealed. This project was fun! I plan to make many more virtual field trips!

#### **Lesson context**

Google Earth Studio works well as a teaching tool for ELA, social studies, geography, and even ESL and world languages. My virtual field trip project showcases Rio de Janeiro, but the same video concept could be applied to virtually any locale, inhabited or uninhabited, worldwide. Google Earth Studio is a powerful program that uses keyframes and "points" for creating stunning aerial animations in 1920 x 1080 animations of virtually any place on the planet, inhabited and uninhabited. Even a 30-second video can be thrilling to watch if programmed with a collective vision and message. Google Earth Studio animations will make an excellent hook for any instructor who teaches about a specific place on Earth. Brazilian Portuguese is not commonly taught in US schools, which is unfortunate given that Portuguese has over 221 million native speakers and is the official language of Portugal, Angola, Brazil, Cape Verde, East Timor, Guinea Bissau, Macau, Mozambique, and São Tomé and Príncipe. Moreover, Brazil is the economic and industrial engine of South America.

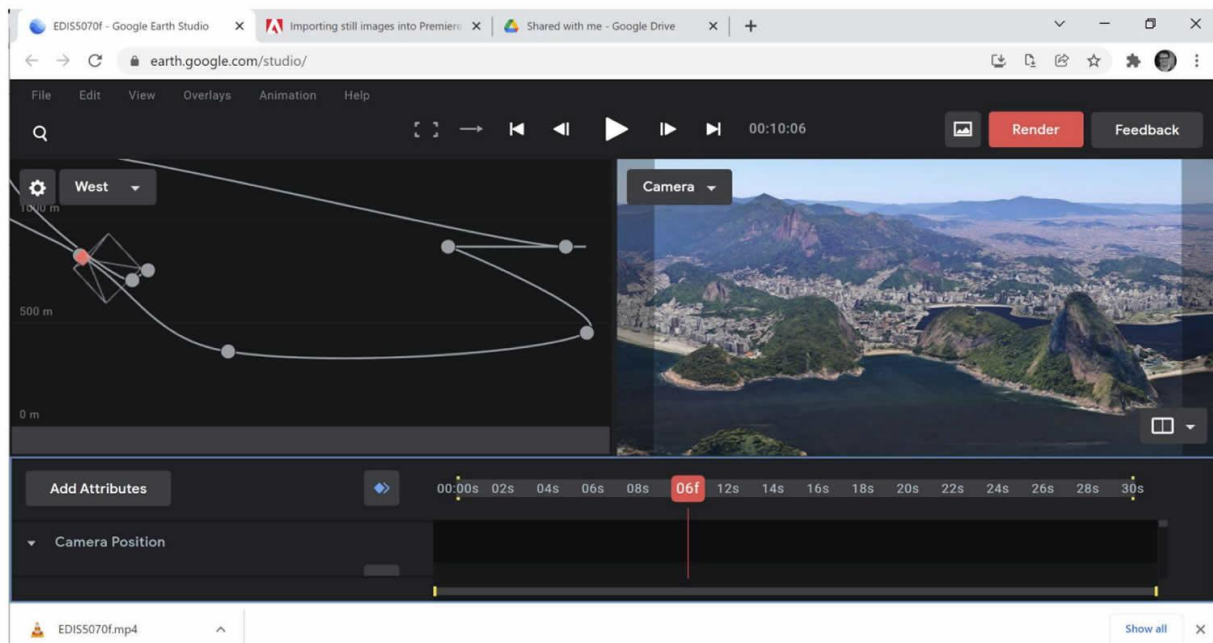
#### **Brief description of how technology will be used with students**

I would use Google Earth animations as a hook to indulge and intrigue K-12 students in the lessons mentioned above. Why The dramatic flair? We live in an infinitely fascinating world. Can all of that wonder be captured and passed on to our youth without dramatic cues and context? Instructors can use Google Earth Studio to visit heritage sites, major international cities, historic towns, world-famous routes, and even man-made structures that can be virtually visited and seen in stunning HD beauty.

## Developer Notes

*This was my first time using Google Earth Studio. I had to invest some time in learning the workflow of this powerful program, but it was manageable. I have a final product, and it reflects my idea, my timing, and my vision. It took me well over eight hours to master the workflow and lock into the rhythm of the project. My big idea got smaller and smaller as I learned the program, but that's OK because now, I know how to create these little animations, and I would be happy to do it all day long. Google Earth renders semi-professional video clips, and Google stamps its watermark on every exported video, but that's not such a bad thing. Google Earth Studio animations can genuinely shape a virtual visitor's experience of virtually any location, site, or significant structure on Earth. The recording quality is awful, but the music works well with the animation. I used the song because the iconic view shown in the final seconds of the animation inspired the original lyrics. I strategically programmed the camera angles to capture the visual magic of the naturally breathtaking cityscape of Rio de Janeiro, Brazil... where the thrush bird sings!*

Google Earth Studio screenshot. EDIS 5070 Intrusional Technology Design, Tech Proficiency 4 Animation and music by A. Brinckwirth.



Screenshot from Tech Proficiency 4 development by A. Brinckwirth.



The more content I create, the less inclined I am to use unauthorized or copyrighted sources. I wanted music for this animation, so I used a clip from a song I wrote and recorded in 2003 to express my passion for Brazil's culture and alluring version of the Portuguese language.

Chorus from *Vamos dar um jeito*, by A. Brinckwirth (2003)

<p><i>o jeito é sempre dar um jeito para realizar meus sonhos e despertar a paixão no meu coração</i></p>	<p><i>the trick is to find a way to make my dreams come true and awaken the passion In my heart</i></p>
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