

# Learn Computer Modeling & Scratch Game Design – Join the Bessie Coleman Project!



## *The Bessie Coleman Project*

*We are recruiting teachers from schools in Baltimore, Denver, Indianapolis, Memphis and throughout the state of Wyoming to participate in a study funded by the National Science Foundation. The "Bessie Coleman Project: Using computer modeling and flight simulation to create STEM pathways" builds upon our previous robotics and game design project where we reached nearly 1,000 students in Wyoming and Pennsylvania.*

*Teachers will take a short professional development course to learn the skills needed to lead STEM clubs on computer modeling and game design. Then they will lead their students in a one-week online module. Stipends will be provided for PD and participation as an instructional leader.*

*Pending school district approval, teachers and students will be invited to participate in STEM camps to learn how to fly drones to collect community-based data in summer 2021.*

# Learn How to Design Computer Models & Games

**Professional Development Required  
– January 2021**

**in collaboration with Rhodes College**

- Earn \$500 for online PD
- Learn how to use Tinkercad
- Learn how to develop games in Scratch
- Teachers will lead students to complete weeklong STEM modules

**Program features for teachers in  
spring 2021 programs:**

- Participate in learning community to deliver modeling, online computer modules to 3rd-8th graders
- Earn \$1,000 stipend for implementing online module to upper elementary or middle school students
- Enjoy online guest speakers
- Participate in focusgroups

### **Contact Information:**

***Dr. Jacqueline Leonard***  
***Jleona12@uwyo.edu***  
***[www.bessieproject.com](http://www.bessieproject.com)***  
***901-512-2768 (cell)***



**#1757976**



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