Professional Development Proposal

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Professional Development Project Title
Integrating More of the "T" in STEM

Reason for Topic
I chose this topic because teachers use technology at my school in common ways such as browsing, writing papers, instructional lessons, and games. They spend most of their time focusing on teaching the content areas and following new protocols, therefore, they do not have the time to explore new ways to integrate technology that will help promote creativity, critical thinking, communication, and collaboration among their students. Exposing teachers to unique technology ideas and programs can encourage more technology integration in their classroom.

Audience
The professional development will be for fifth grade general education and special education teachers that instruct reading, writing, math, science, and social studies to a total of 72 students at Richard L. Rice Elementary School.

Location
The professional development session will be a twenty-minute interactive presentation given in a classroom at Rice Elementary School. Each teacher participant will each have access to a chrome book during the presentation.

Key Learning Goals for Educators
The first goal I will address is to clarify the definition STEM and discuss the benefits of STEM lessons. The next goal will be to expand teachers' understanding of teaching technology literacy by adding coding and share a possible lesson. I will identify a hands-on way to teach robotics that will promote the 4Cs of the 21st century. In addition, I will provide teachers with more possible coding programs than what is available at our school. Lastly, I will demonstrate to teachers how they can use flipgrid videos to have students show what they learned by answering questions, making reflections, or giving mini-presentations.

Outcomes
I hope that the teachers will have a better understanding of STEM and how coding can help students learn skills to be successful in the workforce. In addition, I hope that the teachers will take a risk and try some new technology resources or programs in their current classroom lessons or enrichment time.

Follow Up with Teachers
After the presentation, I will have the teachers complete a short questionnaire about what was a new piece of information they learned and what new resource they think they could incorporate in one of their existing lessons or classroom. I am hoping to work closely

with one of the fifth grade teachers in implementing the hands-on robotics lessons during enrichment time. During the school year I plan to periodically touch base with all of the fifth grade teachers to see if and how they implemented new technology resources and get their feedback to provide suggestions or improvements if necessary.