

## **Willian Land Elementary School After School Enrichment Program**

# **Engineering Thinking and Problem Solving**

Academic Year 2021 - 2022

This online course provides the students with challenges that engage the kind of creative and critical thinking that designers and engineers employ.

### **Class Format**

This class will be via Zoom meetings. Each class will start out with activities that engage reasoning. The class is informal and each week's lesson is self-contained.

### **Class Content**

Class content consists of activities borrowed from multiple sources that engage in reasoning, logic, and design and creative thinking.

### **Requirements**

This class is intended for 6th grade students, but fifth grade students will be considered. Students are expected to fully participate in the activities.

### **Materials Needed**

All of the materials for the class will be emailed each week the day before the class and students need to have printed these before the class starts.

### **Class Cost**

The class is free.

### **Tentative Time and Schedule**

Wednesdays 3:45 - 5:00

### **Instructor Contact**

Bob Suits

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