

# Vision Builder Adventures

## 5 weekend STEM program Itinerary

---

### Instructions

- Below is an **tentative draft** of the 5-weekend STEM Itinerary.
- Class times: (Slots)
  - 7 a- 9a
  - 10a-12p
  - 1p-3p
  - 4p-6p

### Programs

#### ***The U.S. Space Age Experience***

***Intro to Rocketry Class w/ Eric Simpson Mechanical Design Engineer***  
PTBA

*Saturday, Sept. 24, 2016 (7:00am – 6:00pm)*

*Eric will talk to kids about the field of Engineering.*

*Kids will learn about the incredible accomplishments of the NASA space program.*

*Kids will initially start projects. (draft /design /build/launch/evaluate.)*

#### ***The U.S. Space Age Experience***

***Rocketry Class***  
PTBA

*Saturday, Oct. 1, 2016 (7:00am – 6:00pm)*

*Kids will build a rocket as a team.*

*Kids will launch a low attitude Rocket.*

## **Robotics**

### **Robotics Class**

PTBA

*Saturday, Oct. 8, 2016 (7:00am – 6:00pm)*

*Introduction to Robotics.*

*Kids will work with 4 different Robots*

*Kids will learn how to write a computer Program.*

*Kids will learn about Artificial Intelligence.*

## **Robotics**

### **Robotics Class**

PTBA

*Saturday, Oct. 15, 2016 (7:00am – 6:00pm)*

*Robotics w/Lego Mindstorms*

*Build a Robot out of Lego's*

*Write a Lego mind Storms Robotics program*

*Run Robotics Programs.*

## **STEM Fair**

### **Wrap up Class**

PTBA

*Saturday, Oct. 22, 2016 (7:00am – 6:00pm)*

*Kids will demonstrate skills learned during the last 4 weeks.*

