**Intro to Engineering Design Process- Lesson Opener**

**Directions:**

* Consider the following questions.
* Answer these questions using your notes and experience with the lessons
* Bullets are fine and the boxes will expand as you type

Hints:

Think about the games we played on campus during Outdoor Education

Think about how your neighborhood is organized

Think about a time you built something or planned a project (OE showcase for example)

| **Questions** | **Answers** |
| --- | --- |
| *When have you seen the design process applied in a real-world situation?* | I saw a car being worked on a couple of weeks ago and all the parts were taken out and my uncle had a design for what he was going to do with the car. |
| *What decision-making tools do you use in your everyday life?* | One of the tools is like what to wear for school. |
| *When have you had to redefine a problem or redesign a solution in your life?* | When I was 12 I was given advice by a friend and it was bad the same thing happened two days later it happened again with another person. |
| *What examples of design optimization do you see in your neighborhood?* | I have seen construction workers take a brand new fountain that was a little bit broken and fix it really quick by changing a few things. |
| *Why is it important to define a problem clearly and precisely?* | To get it correct, to make things right, and to do it right the first time. |
| *How does brainstorming with others help to find better solutions?* | Brainstorming opens whole new ideas that you don’t know about but other people have. And with that combined knowledge you can have the best possible solution. |