I. Please fill in the information in the box below:

|  |  |  |  |
| --- | --- | --- | --- |
| Date: | Grade: | Period/Bell: | Teacher: |

II. In a drawing or diagram, arrange the following words in the order of the steps you just used in the engineering design process activity and connect each with an arrow, with the arrow-head pointing to the activity that will come next. You can use any of these words more than once, if needed.

|  |  |  |
| --- | --- | --- |
| * Identify and Define | * Evaluate or Test Solution(s) | * Refine |
| * Do Again | * Select Best Solution to Try | * Gather Information |
| * Communicate Solution(s) | * Identify Alternative(s) | * Implement Solution(s) |

1. List three things you did in this unit that an engineer would do.

**III. Please choose your level of agreement to the following:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Strongly**  **Agree** | **Agree** | **Neither Agree nor Disagree** | **Disagree** | **Strongly**  **Disagree** |
| 1. Engineers create and design new ways of doing things. | ο | ο | ο | ο | ο |
| 1. It is important for me to learn how to design things. | ο | ο | ο | ο | ο |
| 1. I am confident I can learn to design things. | ο | ο | ο | ο | ο |
| 1. I am interested in a career in engineering. | ο | ο | ο | ο | ο |
| 1. I am confident in my ability to solve problems. | ο | ο | ο | ο | ο |
| 1. I am confident in my ability to write about my ideas. | ο | ο | ο | ο | ο |
| 1. I am confident in my ability to talk about my ideas. | ο | ο | ο | ο | ο |
| 1. I prefer working on team projects rather than individual projects. | ο | ο | ο | ο | ο |

IV. Please rate the unit you just completed:

1. Overall, I would rate this unit as … Ο Excellent Ο Good Ο Fair Ο Poor

V. Thinking about the unit you just completed, please choose your level of agreement to the following:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Strongly**  **Agree** | | **Agree** | **Disagree** | **Strongly**  **Disagree** |
| 1. I received guidance from my teacher when I asked for it. | ο | ο | ο | ο |
| 1. I learned a lot. | ο | ο | ο | ο |
| 1. This unit related to the real world. | ο | ο | ο | ο |
| 1. I understand how the engineering design process activity allowed us to use the guiding questions to solve the challenge selected. | ο | ο | ο | ο |
| 1. Solving this challenge can help others, our community, and society. | ο | ο | ο | ο |
| 1. I contributed to the group’s solution to the challenge. | ο | ο | ο | ο |
| 1. Listening to other student’s ideas was an important part of the unit. | ο | ο | ο | ο |
| 1. There are many solutions to this problem. | ο | ο | ο | ο |
| 1. We were able to test our initial solution. | ο | ο | ο | ο |
| 1. After our initial test, we were able to think about changes we wanted to make to have a better solution to the challenge. | ο | ο | ο | ο |
| 1. I like problems best when they really make me think. | ο | ο | ο | ο |
| 1. I am excited that we found a solution to this challenge. | ο | ο | ο | ο |
| 1. I participated more during this unit than I usually do in class. | ο | ο | ο | ο |
| 1. I feel using challenges is a more effective way to learn than the way we are usually taught. | ο | ο | ο | ο |
| 1. This unit made me more interested in Engineering. | ο | ο | ο | ο |
| 1. This unit made me feel more confident about math or science. | ο | ο | ο | ο |
| 1. I learned about the careers related to this challenge and our solution. | ο | ο | ο | ο |

1. If you were the teacher, list three changes that would make this unit better so that students learn more?
2. For summary purposes only, please indicate if you are a male or female. □ Male □ Female