**Introduction to Engineering Notes**

**Part 1: Brainstorm about Engineers**

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| Who are they? | What do they do? | Where do they work? | Why are their jobs important? | How do they solve problems? | When do they affect your daily life? |
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**Part 2: Intro to Engineering Video-** [**https://www.youtube.com/watch?v=qx9lLiAISAw**](https://www.youtube.com/watch?v=qx9lLiAISAw) **(4 minutes)**

1) What types of Engineers are there? List 3 or more.

2) What do Engineers make? List 3 or more examples.

3) What do Engineers use? List 5 or more things.

4) What are 3 or more questions that you would ask an Engineer? Write them below.

 a)

 b)

 c)

5) Would you want to be an Engineer? Why or why not? Give 2 or more reasons.

Yes I would/No I wouldn’t because: 1)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

and 2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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| --- | --- |
| Structure | Function |
|  |  |
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|  |  |

 **Clean Energy Engineering Challenge**

Directions: You and your partners will design, build and present a model of disruptive technology that Engineers built to collect your type of clean energy. You must use recycled materials because we have no money to spend. (Clean energy type:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

**Step 1: Draw the technology that you will build. Label at least 3 structures.**
**Step 2: List the materials you will need to build your model.
Step 3: Describe the function of each structure. (What is each part and what will it do?)**

Materials:

**Step 4: Troubleshooting- What problems might happen? What parts might not work? List 3 or more below.**