As you work on your challenge reflect on the process and prepare to share your insights with other teachers.This page is for writing down notes. You should capture your responses on the [1 Page Overview Template](https://docs.google.com/document/d/14fxjlCE2vhE6deU9OncNeU9_pg5mYKF5cJcKjQvqneM/edit).

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| Question & Reflection Notes |
| What did you enjoy about this lesson? I enjoyed the math part of the activity. It was fun to show the kids how the base 10 system and the base 2 system correlate. I also really enjoyed seeing the students make the connections between binary, computers, and the real world. |
| What was difficult about this lesson? It was not always easy getting the students to think beyond base 10. Getting the students to see why base 2 is used by computers can be a challenging concept. |
| What are you worried about when you use this lesson in class? I’m worried that students will not make the connections from above. |
| What resources or materials are needed for this lesson? Base 10 Videos  Base 2 Videos  Binary Worksheets  Cards w/ Binary Numbering |
| How is problem solving emphasized in this lesson? Problem solving is emphasized in having students to find the patterns in the Binary Numbering system. Students will be allowed to utilize the resources listed above and collaboration with each other. |
| Explain the main concept of the lesson. The main concept of the lesson is to help students learn how data is processed by a computer. The language computers need is different than what we use as humans. Thus, making it important for those in the computer science world to understand. |
| What are some good existing resources for this lesson? Base 10 Videos  Base 2 Videos |
| Why did you create your chosen resource? OR How did you find your chosen resource? I searched YouTube for videos that could support my instruction of the Binary Numbering System. I did this because students learn in different ways and if the videos could help some students it was worth the effort. |
| How can your extension resource be used? Resources could be used as additional practice or for assessment. |
| Any other insights about the lesson you wish to share? |

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