My name is Tanim Pavel and I was born in Raleigh North Carolina. I have a passion for Computer Science. I am a part of the I.T Academy (despite the photo) in Southeast Raleigh High School.
- Puzzle Cube Part Combinations (4.1a)
- Puzzle Cube Part Drawings Inventor
Conclusion Questions-

1. Why is it important to model an idea before making a final prototype? This gives you a visual representation of what the prototype will be like.

2. Which assembly constraint(s) did you use to constrain the parts of the puzzle to the assembly such that it did not move? Describe each of the constraint types used and explain the degrees of freedom that are removed when each is applied between two parts. You may wish to create a sketch to help explain your description. Since the pieces were only cubed it was easy to mate and flush the pieces to each other to remove the degrees of freedom.
Based on your experiences during the completion of the Puzzle Design Challenge, what is meant when someone says, “I used a design process to solve the problem at hand”? Explain your answer using the work that you completed for this project. It shows what you have done mostly all of the planning that was put in to the cube.