**Northeast College Preparatory School Lesson Plan**

**Teacher(s): Mr. Holloway Grade: Middle School, 7/8**

**Subject(s):Technology Date of delivery: 9/7-9/14 (Classes meet every other day)**

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| 1. Common Core Learning Standards Addressed:

***Writing Standards:*** **Standard 6** – Use of technology to produce and publish writing and to interact and  collaborate with others.  **Standard 10**- Reflection of the activity! |

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| 1. Learning Target(s): (What will the students know and be able to do as a result of this lesson?)

Know and explain the steps in problem solving.1. State the problem
2. Collect information (Research)
3. Develop possible solutions
4. Select the best solution
5. Implement the solution
6. Evaluate the solution
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| 1. Essential Question(s)/Guiding Question(s):

What are the problem solving steps in solving technological problems? |

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| 1. Higher Level Thinking Questions to be used during the lesson:

Students are given a problem and they must develop possible solutions and choose the best one. |

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| 1. Bridge/Connections/Hook:

Every day, we are designing and building new technological devices to satisfy people’s needs and wants! |

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| 1. Materials/Resources/Technology Integration:

Paper and Tape |

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| 1. Mini Lesson/Process/Procedure:

Cover the problem solving steps! |

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| 1. Work Time/Activities/Tasks: (What learning experiences will students engage in? How will you use these learning experiences or their student products as formative assessment opportunities?)

Students will work in groups of 3-4 to solve the problem that is given to them. Students will have a period and a half to complete the task. |

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| 1. Access for All: (How will you ensure that all students have access to and are able to engage appropriately in this lesson? Consider all aspects of student diversity.)

Having the students work together. Continually walking around and having students stay focus on their designs. |

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| 1. Homework/Extensions/Enrichment:

N/A, We will continue to do problem solving activities throughout the year. |

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| 1. Formative Assessment Criteria for Success: (How will you and your students know if they have successfully met the outcomes? What specific criteria will be met in a successful product/process? What does success on this lesson’s outcomes look like?)

Working as a team, students will develop different ideas and come up with their best solution to the problem. After the activity, reflect on what worked well and what did not work well. |

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| 1. What adjustments will be made for students that do not meet the Criteria for Success?

Go over what worked and what did not work for the activity. Throughout the year, we will continue to do problem solving acuities.  |

Reflections:

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| 1. How does this lesson reflect academic rigor?

Problem solving & critical thinking. Students will need to develop possible solutions to the problem. From there, choose the best solution. |

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| 1. How does this lesson cognitively engage students?

Students will need to think outside the box to solve the problem. What works and what does not work. |

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| 1. How does this lesson engage students in collaborative learning and enhance their collaborative learning skills?

Students will be working in teams, so they will need to bounce ideas off one another to solve the problem. |