Mr. A.C. Bell: *Licensed /Certified Instructor* @ Thomas Edison HS Room: 111

SUMMER PROJECT

A+ CERTIFICATION COMPUTER TECHNOLOGY PROGRAM

COMPREHENSION exam FOR INCOMING SENIORS

Due Date: Your report is to be submitted to **Mr. Bell...**

By 3pm, Friday, September 9, 2016.

There will be a -20pts Penalty for work submitted after the above date.

*** You are welcomed to submit your work early ***

ALL research data MUST *be submitted to the following email with* "**A+ SUMMER PROJECT**" *in the subject line and a* **Cover Page** *that illustrates the data below;*

1 - EMAIL: abell3@schools.nyc.gov

2 - COVER SHEET

Line 1: Thomas A. Edison CTE High School

Line 2: 2016 Summer Project

Line 3: A+ Certification Computer Repair Program

Line 4: (*left center of page*) Senior Teacher: Mr. AC Bell

Line 5: (*left bottom of page*) Your name

DIRECTIONS:

Using your computer technology coursework from your Junior yr. Tech Manual along with the assistance of online research, be sure you are knowledgeable of the listed data in preparation for the Prerequisite/Junior year Knowledge Base Exam.

Be aware; Your Summer Project **will account for 20% of your Marking Period 1 grade**.

A+ CERTIFICATION COMPREHENSION

1. What is CompTIA?

2. What does it mean to be a CompTIA Academy Partner?

3. Upon passing this exam in June of 2017, how may A+ Certification possibly benefit you after completing high school?

4. What is the required exam(s) to be A+ Certified for May 2017?

5. What is the passing score for the exam(s)?

6. What are CEU's? How can this material effect your achieved certification? What are at least "two" ways to earn CEUs that benefit your certified credential status?

COMPUTER REPAIR SAFETY

Decode and describe the items listed below. Using <u>online illustrations</u>, <u>show examples for each</u> that adhere to safety precautions.

1. **UPS (*this is PC hardware*)** –

2. **ESD (*in the computing field)* –**

3. **MSDS** –

VOCABULARY & ACRONYMS

Give a brief description of the following in detail with illustrations to support your response as they relate to computers;

1. SODIMM

2. SDRAM, DDR, DDR2, DDR3

3. PATA, SATA and SSD hard disk drives

4. Dot Matrix, Inkjet (standard and all-in-one), Thermal and Laser Printers

5. NTFS vs FAT32

Decode;

1. BIOS -
2. PGA -
3. POST -
4. VGA -
5. CPU -
6. PCIx -
7. PCIe -
8. BGA -
9. UEFI -
10. RAM -
11. FSB -
12. LGA -
13. CRT -
14. LCD -
15. LED -
16. PCMCIA -