

# Thomas A. Edison Career & Technical Education High School

165-65 84<sup>th</sup> Ave. \*Jamaica, New York 11432\* (718) 297-6580 \*Fax (718) 658-0365

Mr. M. Ojeda, *Principal*

Ms. J. Torres, *Instructor*

## SUMMER ASSIGNMENT- ELECTRICAL INSTALLATION

### Incoming Juniors

**Assignment: Research** (*insert topic from below*) using print and digital sources to gather information. Then, compose an essay that teaches us about (*insert topic from below*) evolved through the years and improve the lives of people.

**Directions:** Your research topic MUST be chosen from the list below. Your research MUST follow the given outline of each paragraph. Compose a 3-4 page paper with margins 1" (top, bottom, left & right), double-spaced, size 12 Times New Roman Font in Microsoft Word. Your report should be professional in tone and use proper grammatical punctuation. Be sure to check your spelling. You should make effective use of illustrations and other visual aids (charts, graphs, pictures, etc.) You can watch videos or read articles to acquire this information.

#### Paragraph 1: Description of Topic

- What is the topic?
- When was it invented?
- What need did it fulfill?
- How was it used?

#### Paragraph 2: The Evolution of Topic: The Early Years

- Describe the topic in its earliest form?
- How was it used when it was first invented?
- How has it evolved over time?

#### Paragraph 3: The Evolution of Topic: Contemporary Years

- Describe topic in its current state.
- How is it used now?
- How did the changes to the topic change how we use it and how effective it is?

#### Paragraph 4: Impact of Topic

- Compare and contrast the impact the topic had on people lives in the early years vs. the contemporary years.

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## **Paragraph 5: Conclusion**

- Restate a brief description of the topic.
- Briefly summarize the topic evolution through the years.
- Explain how the topic helped improve the lives of people.

## **Research Topics:**

- Bx Cable
- Rigid Pipe
- Ground Fault Interrupters
- Transformers (High Voltage)
- Florescent Lamps
- Circuit Breakers
- Electrical Safety
- Electrical Unions
- MTA (railroads)
- Framing for Buildings
- Knob and Tubing
- High Tension Wiring
- Electric Meters
- Wind Turbine Systems
- Solar Energy

## **Due Date:**

Your research paper is due to Ms. Torres by **Friday, September 15, 2017**. The mark you earn will count as a test grade for the first marking period.

**CITE ALL SOURCES!!!!!!!!!!**