Material assigned: ____________________________________

Your report will consist of EXACTLY four (4) pages appropriately formatted that will contain:

**Cover page:** A report cover sheet with the following information centered and double spaced:
- Material name(s)
- Your name
- ETSU Technology 1120
- [Term & Year]

**Page 1:** A table of the material's properties to include, but not limited to, the following:
- **Physical:** Specific gravity and volume, density, etc.
- **Mechanical:** Tensile (yield, ultimate, & fracture) and compressive strengths, tensile modulus, hardness, Izod impact strength, elongation, wear resistance, etc.
- **Metallurgical:** Alloy(s), heat treatments (tempers), forms, malleability, machinability, etc.
- **Thermal:** Thermal conductivity, coefficient of thermal expansion, deflection temperature, transition temp., flammability class (UL), etc.
- **Chemical:** Resistance to sunlight, acids, alkalis, salt water, petroleum products, etc.
- **Electrical:** Volume resistivity, arc resistance, dielectric strength, etc.

**Page 2:** A material overview to include, but not limited to, the following:
- A brief history of the material (discovery & early usage).
- Advantages and disadvantages of the material.
- End user fabrication methods and characteristics, including special handling.
- A list or table of typical/recommended applications.

**Page 3:** A bibliography with a minimum of 3 citations in APA format (see also CAST Language Skills Handbook.)

**RULES**
1. Reports must be typed or by computer [near letter quality (NLQ) dot matrix acceptable]).
2. Hand drawn table boundaries are acceptable (Please, use a straight edge!).
3. Margins (all pages): Left 1.25", Right .75", Top .75", and Bottom .5"
4. Bibliography and citations per APA format
5. Grading is based upon content (40%), organization (30%), and grammar (30%).

**Note:** Grammar mistakes count -5% EACH; i.e., if you have more than six grammar mistakes (spelling, sentence structure, punctuation, etc.), you will fail the assignment.

You've been warned; don't play cute.