




# HONORS STEM PROJECT

PART III: RESEARCH PAPER AND MODEL— DUE  
NOVEMBER 7<sup>TH</sup>

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- Submit to [www.turnitin.com](http://www.turnitin.com) by the beginning of class on the due date. Look at my fake part three for guidance: [Ethanol Efficiency](#)
- For both tracks:
  - Write a research paper. Research the scientific principles behind your project and be sure you are aware of the work that has already been done in the field.
  - Your paper needs to be three full pages long and should be in 12 point Times New Roman with 1” margins.
  - You need to provide at least 5 highly credible sources. These are sources for the background information – not the sources you used to develop your procedure.
- For the Engineering Track only:
  - Briefly describe three prototypes that might have reached your stated objective within your stated constraints.
  - Clearly explain your reasons for choosing one of the three
  - Provide detailed plans for constructing your model. These plans must be very neat and clearly labeled. Some sort of CAD (computer aided design) program is **STRONGLY** recommended.