

Name: _____ Date: _____ Period: _____
SCIENCE AND TECHNOLOGY - MONSTERS WE HAVE CREATED

The Nineteenth Century was a time of great change. The advances in science and technology made possible the Industrial Revolution, a revolution which fundamentally altered the way in which millions of people lived their lives. However, not everyone was willing to accept the notion that such change was, by its nature, inevitably beneficial to humanity. Indeed, the wisdom of placing too much faith in science is called into question in some of the literature of the time, examples being Nathaniel Hawthorne's "The Birthmark," Robert L. Stevenson's **Dr. Jekyll and Mr. Hyde**, and Mary Shelley's **Frankenstein**. These authors seem to be suggesting, amongst other things, that raising science to the status of godhood carries with it inherent risks that demand careful consideration.

This essay requires that you research the role that science and technology plays in our own time and from that research and your own thinking about the topic, develop an essay which demonstrates how science and technology are advancing much more rapidly than is our wisdom to use them properly, and thus are becoming the equivalent of modern day 'monsters' that we have created.

Process:

1. Extensive notes and reflections that emerge from researching **TWO different aspects** of science and technology (see brainstorming list).
2. An **essay outline which includes thesis statement, a topic sentence for each body paragraph, and points properly organized for each body paragraph**. In this outline you have to draw parallels between the role of science in the Romantic and Victorian periods and the literature we read and our modern time.
3. A rough draft, written on alternate lines, which shows evidence of editing. If you are using a computer, you must print out your rough draft and edit that draft. If there is no sign of significant editing, it will not be considered a draft.

Product:

A formal essay, 5-7 pages, double-spaced, **Times New Roman** size font 12, using MLA format, and a Works Cited page. It must have one inch margins all around.

PLEASE NOTE: Essays submitted without the process work described above will not be accepted.

YOUR RESEARCH PAPER MUST BE HANDED IN AT THE VERY BEGINNING OF CLASS IN ORDER FOR IT TO BE CONSIDERED TURNED IN ON TIME.

PAPERS, THAT ARE HANDED IN LATER THAT PERIOD OR BEFORE LUNCH, WILL BE ONE GRADE LOWER.

COMPUTER AND/OR PRINTER PROBLEMS ARE NOT AN ACCEPTABLE EXCUSE FOR A LATE ASSIGNMENT. While usually a blessing, technology can also be a curse! Be prepared. Back-up your work early and often. If you can't print something out, e-mail the work to yourself or bring it to school on a disk and print it out before you come to class. You will not be able to print out a document once you get to class.

Cheating (including copying) will NOT BE TOLERATED. It will result in a zero on the assignment and a D in conduct for the term. Parents will be notified. Givers and receivers are equally punished.

DUE DATES:

- Assigned on: April 15th, 2013
- Notecards due on: April 23rd, 2013
- Outline, thesis and introductory paragraph are due on April 25th, 2013
- First two pages of Research paper are due on April 29th, 2013
- FINAL PAPER due: May 8th, 2013 (Paper must be submitted to turnitin.com)

Terms Associated with Science and Technology

acid rain	genetic engineering
animal testing	genetic screening
automation & unemployment	global warming
bioethics	human experimentation
biomedical-	nuclear energy
technology	organ donation
cloning	ozone layer packaging
computers	pesticides
ecology	pollution
electromagnetic- radiation	pre-natal testing
environment	reproductive technologies
ethics	toxic waste
eugenics	toxicology
fetal tissue	transgenic research
gene therapy	transplants
genetic counseling	waste disposal