Notes Sep 5 2018

What a thesis statement is and does

* A thesis statement is a sentence that articulates the central argument of your essay. It is the main take-away for your reader.

What makes a successful thesis statement?

Makes a claim

* Student Government can increase student engagement and, if run properly

Presents an argument

* Participating in student government can raise a student’s GPA by increasing their time on campus and their overall

Thesis?

* Computer Crime is bad.
  + This sentence would not make an effective thesis.
* There are many controversial ways of dealing with computer crime
  + This revised working thesis statement is better than the previous one.
* This essay will be about the role computer hackers play in computer crime committed on the Internet.
* This statement is close to be a working thesis because is about a focused idea.
* While some computer hackers are harmless, most of them commit serious computer crimes and represent a serious Internet security problem.
  + This is a working thesis.

Overview

* This presentation explains:
  + What a thesis statement is and does.

The Human Genome – Alexander Roy

* Background Info
  + Genomics – The branch of molecular biology
* Deoxyribose – Nucleic – Acids: DNA
  + Is used as a blueprint in all living things from single cell bacteria, plants and ultimately human beings.
  + DNA was first experimented with by using radiation inducing random mutations in plants in the beginning.
  + GMO’s – Genetically Modified Organisms
  + Flavor Saver Tomato – First GMO to be sold commercially
* Human Genome Project
* Recap
  + Starting out, the Human Genome Project was of extraordinary interest and enthusiasm to academia, the private sector and public sector.
  + No computers were used originally, and the technology had not been developed fully to sequence the human genome.
  + Machinery was developed alongside computers to sequence the human genome.
* Other Information
  + The notion of team science and collaboration was brought to biology as well as creating a cultural change about the sharing of information almost immediately.
  + Many talents were brought in to the project: Biologists, Engineers, Ethicists, Lawyers, Social Scientists alongside many others.
  + The project was a worldwide effort.
* Objectives of the Genome Project
  + Originally the objectives were few in the project, expected to take up hundreds.
* Right to genomics
  + People and patients have a fear of genetics.
  + The major questions being: Who will find this information? How will it be used against me?
  + Originally, the issue stems from the 1900’s where states had laws that allowed the forcible sterilization of people to prevent them from having children.
  + Looking towards the future, said genetic information could help with diagnosing disease and helping with research in the medical field.
* Pros and Cons
  + People can be actively treated for disease and fix familial issues.
  + The cost of sequencing and other genomic related technology is dropping in cost as more advanced techniques are adopted.
  + Babies could be born without any issues.
* In Vitro Fertilization
  + Creates what is often referred to as a “Test Tube Baby”
  + Created from a donated or obtained egg that is fertilized with sperm, this is them inserted into the mother’s uterus.
  + The first IVF baby born in 1978 was Louise Brown.
  + The first American IVF
* Test Tube Babies
  + Could be free of genetic annoyances in the family
  + Could be free of disabilities
  + Could be made immune and eradicates certain deadly diseases known today.
* Golden State Killer
  + Wanted 45 rapes and 12 murders that occurred between 1976 – 7986 during which a lot of those crimes were committed in Sacramento and the Bay Area in California
  + Eluded arrest for such a time that in 2016 the FBI announced a up to $50,000-dollar reward for information regarding the man.
  + Not too long ago, this year on April 25th, a 72 year – old suspect was arrested due to genetic information on a consumer genealogy website that helped to dramatically.
* DNA Evidence Solving Cases
  + Recently on August 22, Darold Bowen was arrested with dozens of charges that varied from first-degree forcible rape, first-degree burglary of Fayetteville NC.
* It is not perfect…
  + In August 2015, Terrell Gills was arrested on charges of robbing a Dunkin Donuts, of which he was acquitted. He was arrested due to DNA evidence found at the scene. The reason why his was matched was due to a prior nonviolent conviction.
  + Said robbery was a part of a trip of Dunkin Donuts robberies in a one-week span where the culprit leaped over the counter and robbed the registers.
  + Due to a large abundance of racial disparity in the criminal justice system, black families are more prone to investigation from familial searching.