2.a)

The computing innovation is Intel’s Optane Memory, an attachment to a user’s Hard Disk Drive. It’s intended purpose is to speed up the performance and quality of an HDD, completing tasks faster and reducing wait times. My computational artifact explains Optane Memory’s purpose and function by both implying it through pictures, and explicitly stating it in written words.

2.b.)

I looked up on Google websites that would allow me to create an infographic for free and decided to choose <https://www.canva.com/create/infographics/>. There I chose one of the suggested formats; I inserted a bunch of royalty free images from the web that I could use legally for educational purposes.

2.c.)

One harmful effect it has on economy is that “those gains [from Optane Memory] come at the [expense of power consumption](https://www.anandtech.com/show/11210/the-intel-optane-memory-ssd-review-32gb-of-kaby-lake-caching/4), so expect... laptops to have worse battery life” (2), adding more to your electrical bill. One beneficial effect it has on society is that it will make faster computers accessible to more people, improving the amount work and studying done around the country.

2.d.)

Optane Memory stores all kinds of data including audio, video, text, etc. as input; it’s a memory device. It consumes whatever data the user wants to save and it stores it temporarily before sending it back as output whenever the user requests it. A storage concern is that Optane Memory could not be compatible or work with older computers: “... the company [Intel] didn’t want to do the validation and testing on anything older... opting instead to tell consumers ‘we know this hardware setup will work so use that”(3).

2.e.)

(1)/\*\* for Infographic

Altavilla, D. (2017, April 27). Intel Optane Memory Tested, Makes Hard Drives Perform Like SSDs. Retrieved March, 2019, from <https://www.forbes.com/sites/davealtavilla/2017/04/26/intel-optane-memory-tested-makes-hard-drives-perform-like-ssds/#790387606090>

(2)/\* for Infographic

Tracy, P. (2018, September 26). What Is Intel Optane? The Memory That Gives Hard Drives SSD Speeds. Retrieved May, 2019, from <https://www.laptopmag.com/articles/intel-optane-memory-faq>

(3) Techquickie. (2017, May 02). What is Intel Optane? Retrieved May, 2019, from https://www.youtube.com/watch?v=WwH5Q8ZFJvw