

Written Responses

2a.

The computational artifact revolves around the optical disk drive (ODD). The ODD has multiple purposes, one of which is to transfer data from an input source onto an ODD through the use of a laser. Another purpose of the drive is to read information using the laser to send to an output device, for example a computer, to navigate through the massive quantities.

2b.

The artifact was created by researching every part of importance to an optical disk drive along with two different outputs, a computer and television, in order to see performance difference. The laser is specifically designed to read the information stored on the disks

2c.

The Optical Disk drive has impacted society by increasing the amount of data stored on an item in a common household, compared to the floppy disk which prevailed in its time with around one and a half megabytes, whereas the DVDs that were first produced in 1982 held 10 megabytes. Even though the increase in storage is great the economy boomed from the amount of cds being bought for the optical disk drives increased because of the fragileness of cds and their likeliness of getting scratched causing data loss.

2d.

The optical disk drive uses laser read data then translates it to establish a rgb color scheme on the output monitor. The user must insert a DVD into the open slot of the ODD then sees the images on the output monitor after the data was transformed. A consumer concern with the optical disk drive isn't about the innovative device itself, but about the means of reading the data

which is through the DVDS or CDs that can easily have data destroyed by having the surface scratched.

2e.

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