We took apart the Dell Inspiron 1300. We picked this electronic device because it was fairly large and we knew it had a lot of components. Our team forcefully took apart this device.

The Dell Inspiron 1300 has the Intel Celeron M 360 processor, or CPU. It is a 90 nm Intel mobile processor and is part of the Celeron CPU collection. It has 1 core and 1 thread. The base clock speed is 1.4 GHz and it has a 1 MB L2 Cache. It also has a frequency of 1,400 MHz and a TDP of 21 watts. The T-Junction (the maximum temperature allowed at the die of the processor) of the Celeron M 360 is 100 degrees celsius. The CPU fits in the PPGA478 and H-PBGA479 motherboard sockets. The Intel Celeron M 360 doesn't have intel turbo boost technology, nor does it have Intel's hyper thread technology. However, it does have Execute Disable Bit and Intel Integrated Graphics. As of 2020 the Celeron M 360 has been discontinued.

The hard drive for the computer we are researching is called the Hitachi Travelstar. The model is HTS541060G9AT00. It has 60 gigabytes of storage. The rotation speed of the disk inside is 5400 Revolutions per minute (RPM). 5400 RPM has slower file transfer speeds which makes it use less power so it uses less heat and is quieter. The Hitachi Travelstar hard drive has a data transfer speed of 100 Megabytes per second (MBps). The hard drive weighs 3.6 oz., the width is 2.8 inches, the depth is 3.9 inches, and the height is 0.4 inches.
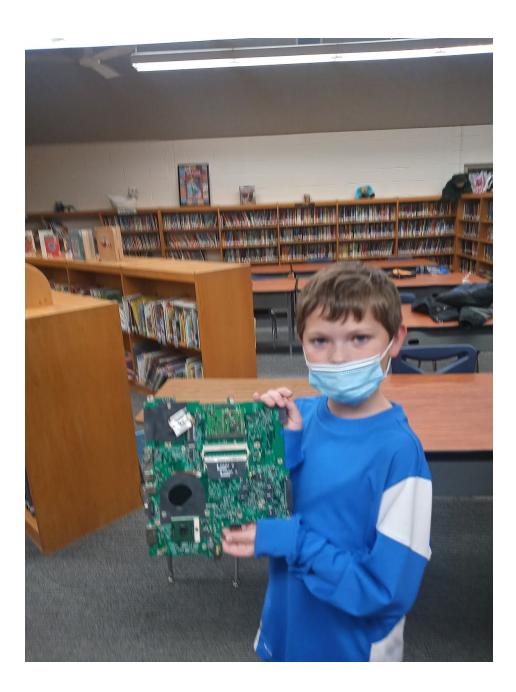
The model number of this RAM is HYMP564S64BP6-C4 AB The amount of RAM for this computer is 512MB, the average RAM laptops have today is 8GB. The manufacturer of the RAM in this laptop is Hynix. SK Hynix is the name of the manufacturer company of the RAM. Hynix's headquarters is in South Korea. Hynix started in February of 1983. Hynix is the second largest manufacturer in the world. The man who created Hynix is Chung Ju-yung. The memory type of this RAM is SODIMM. The data transfer rate of this RAM is 533MHZ, the data transfer rate is how long it takes to move data from place to place.

The Dell CD player was made May 30, 2006, made in China. The model is DW-Q58A-DS. The reviews of the CD player aren't very positive. The review tells about the difficulty with the player reading the disc. The Etron Tech component manufactured by Etron Technology which was founded in February 1991 in Taiwan. Etron Technology develops, manufactures, and markets fabless memories. The company's products include synchronous dynamic random memory (SDRAM) synchronous graphics random access memory (SGRAM) fast page mode (FPM) static random access memory (SRAM).
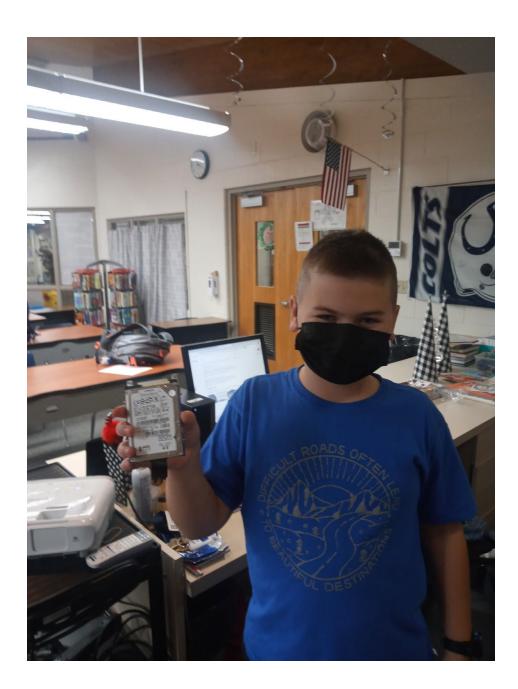
We had a lot of fun taking apart this machine. Thanks for considering the Radical Robots from Bainbridge Elementary.

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