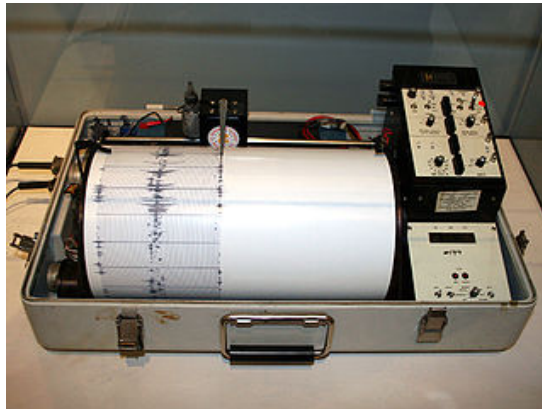


14. Does some knowledge belong only to particular communities of knowers?

Knowledge and technology

Word count - 684

Object 1: Seismograph



(Yamaguchi先生, 2006)

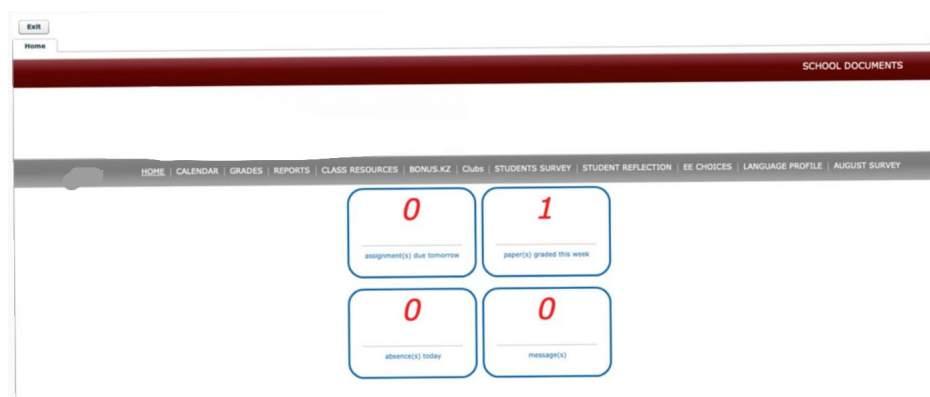
My first object is a seismograph, an instrument used by seismographers to record the motion of the ground during an earthquake. Acquired data might be used for further investigation of Earth's internal structure and for the characterization of earthquakes in a particular part of the world. The data from seismographs permits the scientists to detect the distance, magnitude, direction and type of earthquake that happened.

Seismographers know how exactly this machine works and can interpret the data from seismograph correctly, the knowledge of interpreting the data belongs only to seismographers. Seismographs are designed to help scientists to research deeper into the earth's internal structure and thanks to the machine scientists actively participate in their community. Interpretation of scientists from seismographs can be shared publicly, and used by people, however the true knowledge behind the seismograph can belong only to seismographers. On the other hand, people can have a decent understanding of

how machine work, but they will miss out on the knowledge of how to correctly interpret the data from the seismograph. Hence, knowledge of interpreting the data from seismographs stays unavailable for them.

This object highlights the fact that people with only procedural knowledge can't fully belong to certain communities because of the absence of practical experience working with certain machines. Additionally, the role of interpretation plays a huge role in working with technology in belonging to a community as it provides a room for improvement of their knowledge.

Object 2: My screenshot of my account on school app



My second object is a specialized app for students and teachers of my school, that is used for checking grades, assigning assignments, and checking the presence of a student. It is useful only for students and teachers of my school who have the designed password and connected mail.

This object enriches the exhibition due to propositional knowledge. Because I know how to log in to the school app and I can understand the IB related information that app provides to me. No one other than my school students, teachers and administration would understand this information because of the rarity of the IB

program in my region, and limited access to the school providing the IB program. However, it is worth mentioning that information about the IB program can be found in other resources, but the school app provides timely and exact information regarding IB's diploma program and its deadlines for my school. Hence, the knowledge of signing to the app and being able to understand the IB related information belongs to me and my school's students.

This object has been included for exhibition because it highlights that knowledge can belong to limited communities of knowers, based on their access and rarity to the knowledge. Additionally, the knowledge and the experience of a person in a particular sphere makes them belong to a certain community, as it deepens their knowledge.

Object 3: TikTok application



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(VectorStock, 2019)

My third object is - TikTok, which is a social networking service, which provides unlimited access for easy content creation and consumption.

TikTok has been known for its high range of usage by generation z since it's launch. The time when it was released implies that the older generation would be bewildered and overwhelmed by the app and it's functions. Due to absence of experience and absence of understanding of how social networking apps can benefit them. Therefore, most of the older people don't use TikTok. Whereas, the younger generation would be more comfortable with the interface and the functions, since they got used and exposed to TikTok and similar apps from a very young age. Hence, younger generations use them more in comparison to older generations and the knowledge of how to use such apps belongs to younger generations.

This object exemplifies that knowledge of using certain apps can be limited by the age, absence of experience and period of time when a person lives. By the time new information or knowledge is released, people of that time period will be more inclined and comfortable with belonging to those communities of knowers and with the implication, understanding of that knowledge, because it reflects the needs and wants of people at that certain period of time.

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