

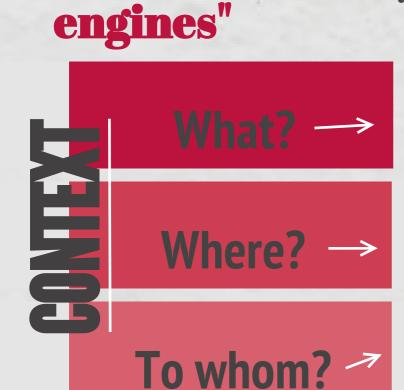
"Mastering

searc

### MISSION: ASSESSING SEARCH ENGINE SKILLS

**77**Once a person stops searching for information and self-knowledge, ignorance sets in.

R. T. Kiyosaki



A two part course to develop data retrieval skills. In first part students learn to search data goalorientedly, systematically and efficiently. In the second part they learn to evaluate reliability of the information.

Finnish high school system, Kuusankoski high school in the city of Kouvola

1st year students. This course is most beneficial when studied in the beginning of high school studies. Skills learned will help especially in general studies (history, philosophy, biology etc)

### Presurvey



Inquiring students on Google search tools they are familiar with. Students can see other students' results and teacher gets valuable data which helps emphasizing areas that are not familiar to students. If many students indicate they for example know how to use photo search, teacher will test these skills summatively





#### Loooooots of stuff here...



Learning about the starting point of an effective data searching online



Planning data search by creating mind/concept map with digital tool such as Coggle, Draw.io or Cmap. Peer-reviewing others' work and reflecting how plan takes the learnt content into account.



a) Reading a critical writing on Google and giving short answers to different questions.

b) Watching a youtube video on search engine manipulation and cencorship and answering questions on the themes presented in the video



environment.

Google photo search: finding a photo with given criteria and posting it to forum Google photo search: finding the source of a photo with reverse photo search Google search settings: modifying settings and writing short comments on what student did. Answers are seen by all the students.

Combined Google advanced search and data organizing exercise. Searching data on topic chosen by student, taking screenshots on search parameters and reflecting finally how the search went

#### **Final exercise**

Learning different ways of saving and organizing search results

In the end of the part 1 there is a final exercise in which student can test his or hers data searching skills by choosing three "Google a Day" -challenges according to ones interest (topics: culture, geography, history and sciences). Students will post descriptions on their data search processes to a discussion forum in the learning environment.

AFTER

# Who evaluates

All the assignments are checked by **teacher** but the main feedpack is coming from other students. Most of the work is posted to all the group so **peer-reviewing** is possible to carry out according to the readiness of the group. Some of the exercises are built to automatically check the right answers. The final exercise will be evaluated most strictly of all the assignments it being a good implication of learning during the course. Summative test works in this occation well because we are learning a spesific set of technical skills.

## Peers Teacher System

Self-evaluation still needs elaboration

## **Evaluating standards**

The course will be evaluated in scale pass/fail. If student does all the exercises given during the course and has not shown total lack of interest in learning, they will pass. This makes motivating students to deep learning challenging. Teacher presence in online environment has a vital part in fostering good discussions and monitoring interarction between students

## Assessing spesifics

Teacher will participate in every discussion during the course and will monitor all the action. Automatically revised exercise -types helps teacher with the workload.

#### Pass/ Fail

Motivating through interesting course materials and good pedagogics

**Goal:** sustainable assessment which includes assessing starting level, learning and finally skills