

# Exercise – Areas of knowledge - experiments (7 studypoints)

## **Exercise 1:**

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In the context of your project:

For each of the 6 areas of knowledge (Kensing) give at least one concrete example of knowledge that could be relevant to possess.

## **Exercise 2:**

Design, carry out and evaluate a small programming experiment.

Follow these steps:

1. Imagine a "technical challenge" and consider a kind of knowledge that you want to obtain.
2. Decide the method to use
  - a. if a hypothetical-deductive method: Formulate a hypothesis.
3. Describe an experiment
  - a. state indicators to evaluate the experiment
  - b. ensure a level of detail potentially allowing others to reproduce the experiment later
4. Conduct the experiment
5. Evaluate the result
6. Make conclusion
  - a. if hypothetical-deductive: Support or reject the hypothesis
7. Consider a new experiment (optional)

## **Groups:**

Project groups

## **Presentation in the classroom:**

Present the result for the teacher in the classroom on Thursday or Friday the 15-16/12 2016.

## **Studypoints:**

7 study points is earned by each group member present during the presentation (if approved)

0 study points is earned otherwise. No further grading will be done.

No written hand in is accepted.