

Learning plan for the project: It's About Time!

### **Lesson 1**

Why do we need to measure time?

In the beginning of the class students are activated and divided in to groups by a simple problem solving task, in this case connecting vocabularies about time. In groups of three students are asked to think up reasons for measuring time and why people have had to create different devices for measuring time. Each group will produce three reasoned and written statements about the need to measure time.

Statements are written on board and discussed.

*SEE ATTACHMENT: Miksi aikaa mitataan?*

### **Lessons 2-3**

Different methods for measuring time.

Students work individually on reading comprehension tasks about different ways of measuring time. Extra material is provided for fast workers.

*SEE ATTACHMENTS: Aika, piste 1 Aika, piste 2 Aika, piste 3*

### **Lesson 4**

Discussion about measuring time.

Students present their findings and their own thinking about the different devices. Teacher presents common outcomes for the project and students have a possibility to affect these outcomes and add their own.

A general outline for the designing project is drawn and a time line is set.

Students make original drafts for their own devices and decide on their materials.

### **Lessons 5-8**

Making devices.

*SEE ATTACHMENT: Ohjeet; aikaa mittaava laite*