



The Interactive Material

<https://tim.jyu.fi> tim@jyu.fi



- Verkkoselainpohjainen e-materiaali, jonka perusrakennuspaloja ovat **dokumentit**
- TIM-dokumentti (kuvassa) on yksi yhtenäinen "liuska" tekstiä, kuvia ja monenlaisia **vuorovaikutteisia elementtejä**

What is science?

Science is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and predictions about the universe. In an older and closely related meaning, "science" also refers to this body of knowledge itself, of the type that can be rationally explained and reliably applied. Ever since classical antiquity, science as a type of knowledge has been closely linked to philosophy. In the West during the early modern period the term "Science" and "Natural Philosophyn" were sometimes used interchangeably to refer to the study of natural phenomena, and "science") was

not only the t to formulate word "science" ay to study the ntury also that - understanding of

material world, a mathematics, observations, d to be applied

Source: Wikipedia

Philosophy of science

Working scientists usually take for granted a set of basic assumptions that are needed to justify the scientific method: (1) that there is an objective reality shared by all rational observers; (2) that this objective reality is governed by natural laws; (3) that these laws can be discovered by means of systematic observation and experimentation. Philosophy of science seeks a deeper understanding of what these underlying assumptions mean and whether they are valid.

The belief that scientific theories should and do represent metaphysical reality is known as realism. It can be contrasted with anti-realism, the view that the success of science does not depend on it being accurate about unobservable entities such as electrons. One form of anti-realism is idealism, the belief that the mind or consciousness is the most basic essence, and that each mind generates its own reality. In an idealistic world view, what is true for one mind need not be true for other minds.

Source: Wikipedia

Short questionnaire about the topic

1 2015-10-23 10:55:23 1/1
Points: 2

Check your understanding

	True	False		
Nikolaus Kopernikus was from Austria.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Correct	He was from Poland.
Einstein was inspired by the first World War.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wrong	In a manner of speaking yes, but the correct term might be horrified.
There was a significant transfer of scientific ideas in ancient times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wrong	From Egypt to Middle East to Greece.
Mohammed, the founder of Islam, can be said to have been a major factor for the Arabic golden age.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Correct	He unified the Arabian peninsula.

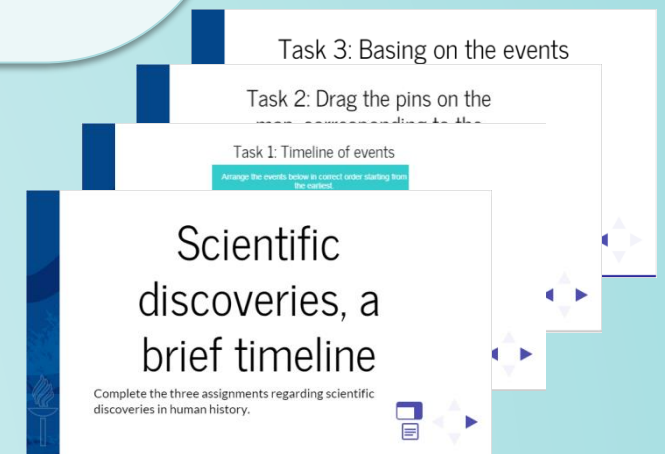
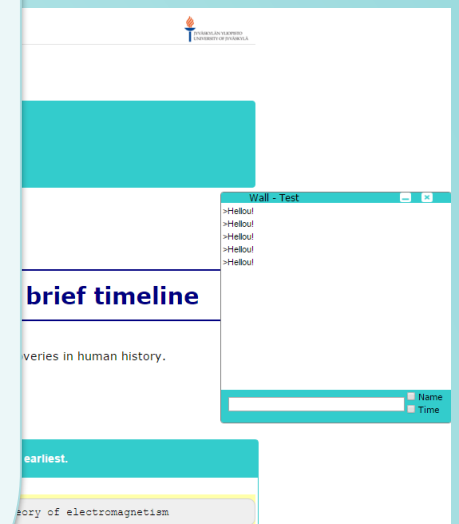
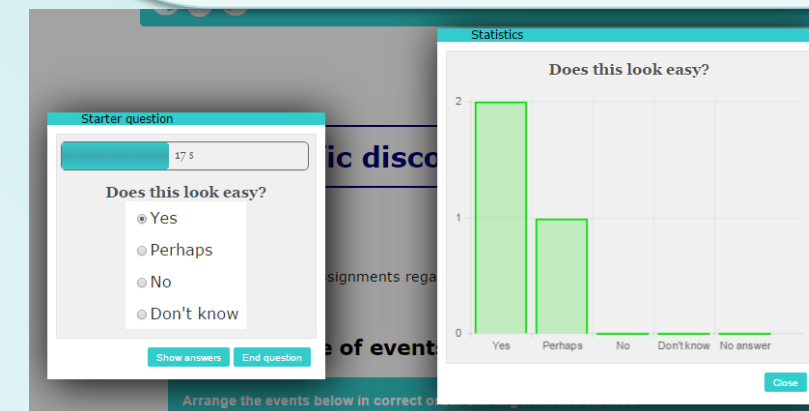
Submit

Lukijalle

- **Oranssit palkit** kertovat, mitkä asiat ovat vielä lukematta
- Materiaalia voi **kommentoida** itseään ja myös muita varten
- Lukija voi tehdä materiaalin sekaan upotettuja **tehtäviä**

Opettajalle

- Opettaja voi **selata** tehtyjä **tehtäviä, vastaushistoriaa**, annettuja pisteitä, ja **yleiskatsauksesta** hän saa kokonaiskuvan siitä, miten asiat osattiin
- Opetustilaisuuksiin TIMin työkalupakki sisältää **luentoseinän, kalvoesityksen ja luentokysymykset**



Scientific discoveries, a brief timeline

Complete the three assignments regarding scientific discoveries in human history.

Add paragraph

Edit paragraph

Navigation Style Insert Special characters TeX Plugins Upload file/image Help

Programs Questions Others Image Video

1 Complete the three assignments regarding scientific discoveries in human history.

2

Editor Fullscreen Save Cancel Delete Mark as read

Preview (1 paragraph)

Complete the three assignments regarding scientific discoveries in human history.

TIM-dokumentin luominen

- Tapahtuu selaimella dokumentin osoitteessa
- Elementtien lisäys ja muokkaus tehdään samaan tapaan kuin tekstin tai kuvien lisääminen

Informaatioteknologian tiedekunta
UNIVERSITY OF JYVÄSKYLÄ

