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## CURRICULUM



### [Introduction to material technology](#)

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### [The physical properties of materials](#)

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### [Materials](#)

[Wood](#)

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click

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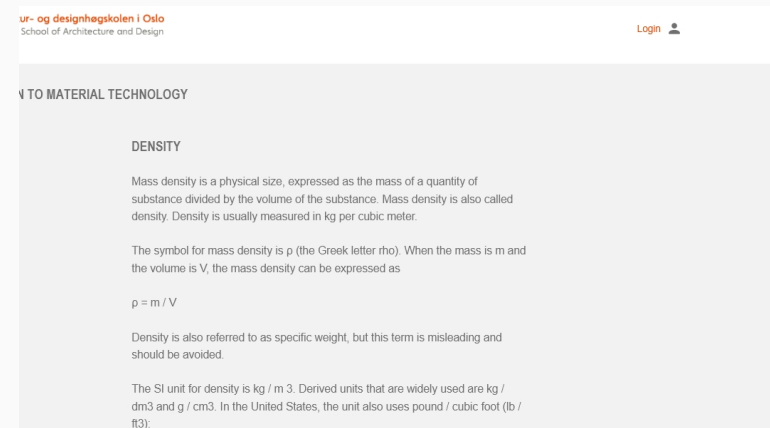
[Membranes](#)

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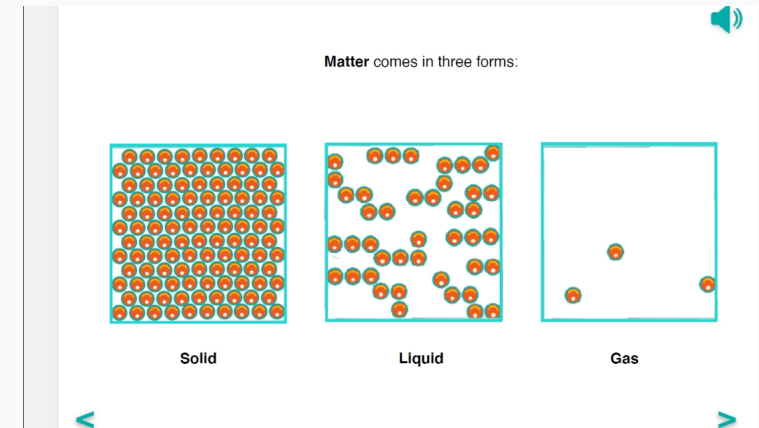
## MODE

There are different preferences when it comes to learning.  
How do you want to learn today? It's up to you.  
Don't worry you can change it any time you want.



### Text

The good old way of receiving the subject material.



### Illustration

Illustration is a visually based way of receiving the subject material.



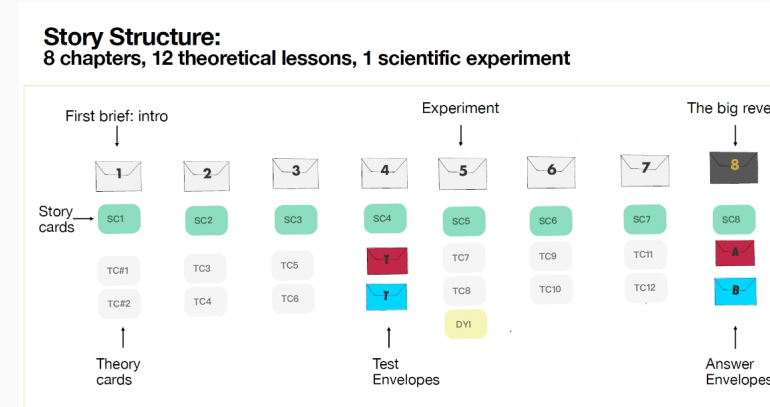
### Video

Learn through video. Watch a pre-recorded lecture or an experiment.



### Audio

The subject material is read aloud for you.



### Interactive

Interactive learning means using games or interactive courses. There are some physical games as well that can be lent out at the library.



### Demo / Example

This mode focuses on 'reality' and presents use cases and examples from practical use. The subject matter is put in a context that is relevant for you.



### Physical

This mode takes learning out of the digital domain. There are different kits that can be lent from the library.

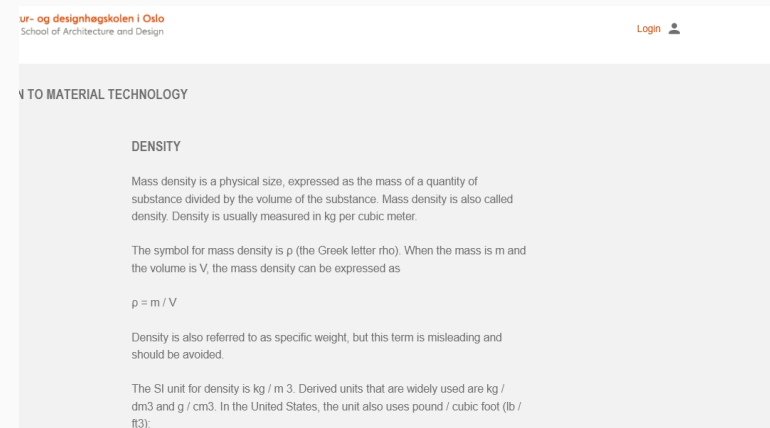


### Summary

You want it short and straight to the point? This mode gives it to you.

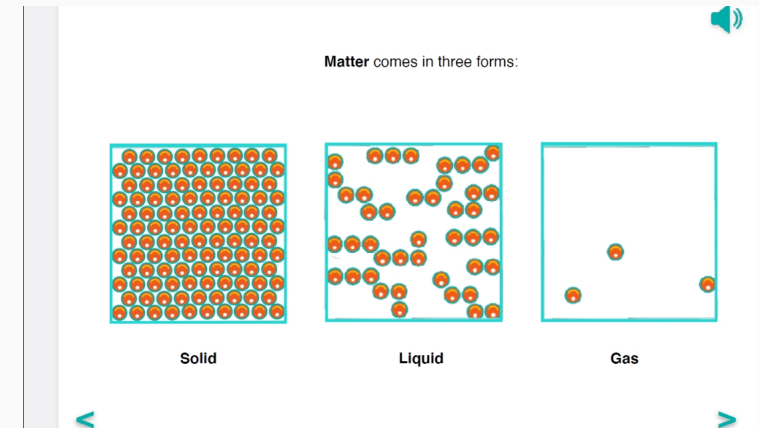
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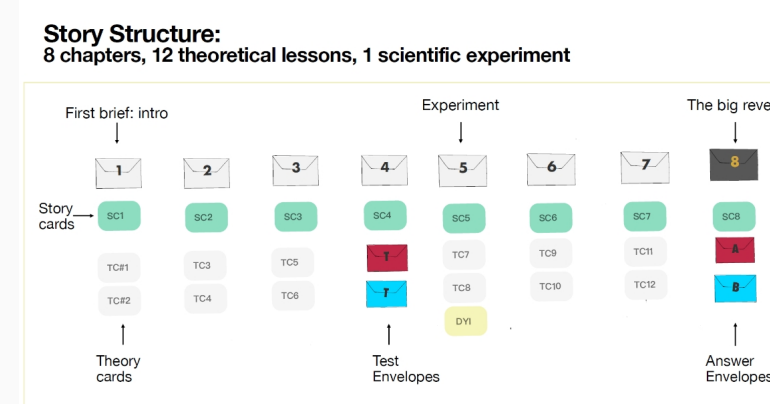
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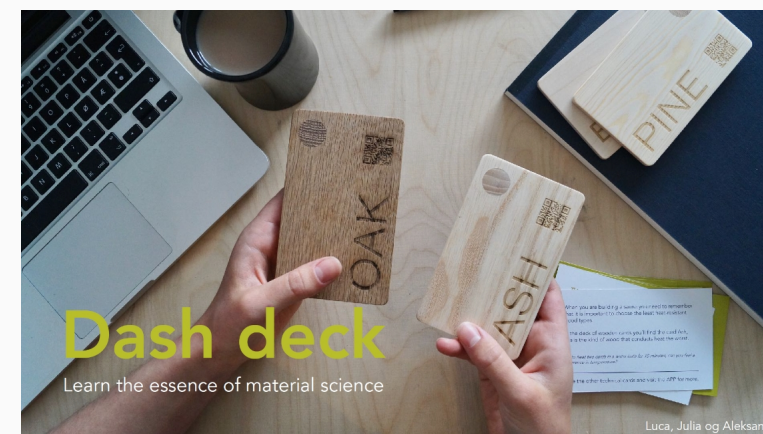
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## PART 1 : INTRODUCTION TO MATERIAL TECHNOLOGY

### MODE: PHYSICAL

Switch to another mode

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[Summary](#)

This mode takes learning out of the digital domain. There are different learning kits that can be lent from the library or that you can 3D print and assemble.

The current list of learning kits (more to come):

#### **Dash deck**

Is inspired by flash cards. It's a set of cards that teach you basic material properties in a short bite size portions. It contain material cards, made of wood, and technical cards.



Available for loan at the library for one week at a time.

#### **Bøyemaskinen** (the bending machine)

The bending machine is a analogue way of meassuring elasticity of a material.

You can lend a pre-assembled machine from the workshop or download the 3D files and build it yourself.  
[www.aho.no/boyemaskinen](http://www.aho.no/boyemaskinen)

#### **Bridge architect**

Bridge architect is a card game that puts you in the shoes of architect Santiago Calatrava. Here you get to learn about rigidity and elasticity in context.

Available for loan at the library for one week at a time.

#### **Materialspillet** (Material game)

Materialspillet is a 2D puzzle game that teaches you basic material properties. Each piece is made form a different kind of wood. On the back of each piece there are QR-codes that leads to the material page of that species of wood.

Available for loan at the library for one week at a time.