



IN EEN NOTENDOP...

Fatiha Baki
GO! Geel

WIE BEN IK?

- Leerkracht wetenschappen/STEM/techniek/PO
- Meer dan 16 jaar onderwijservaring
- Cognosco
- Europese projecten: Golab/Scientix/Amgen



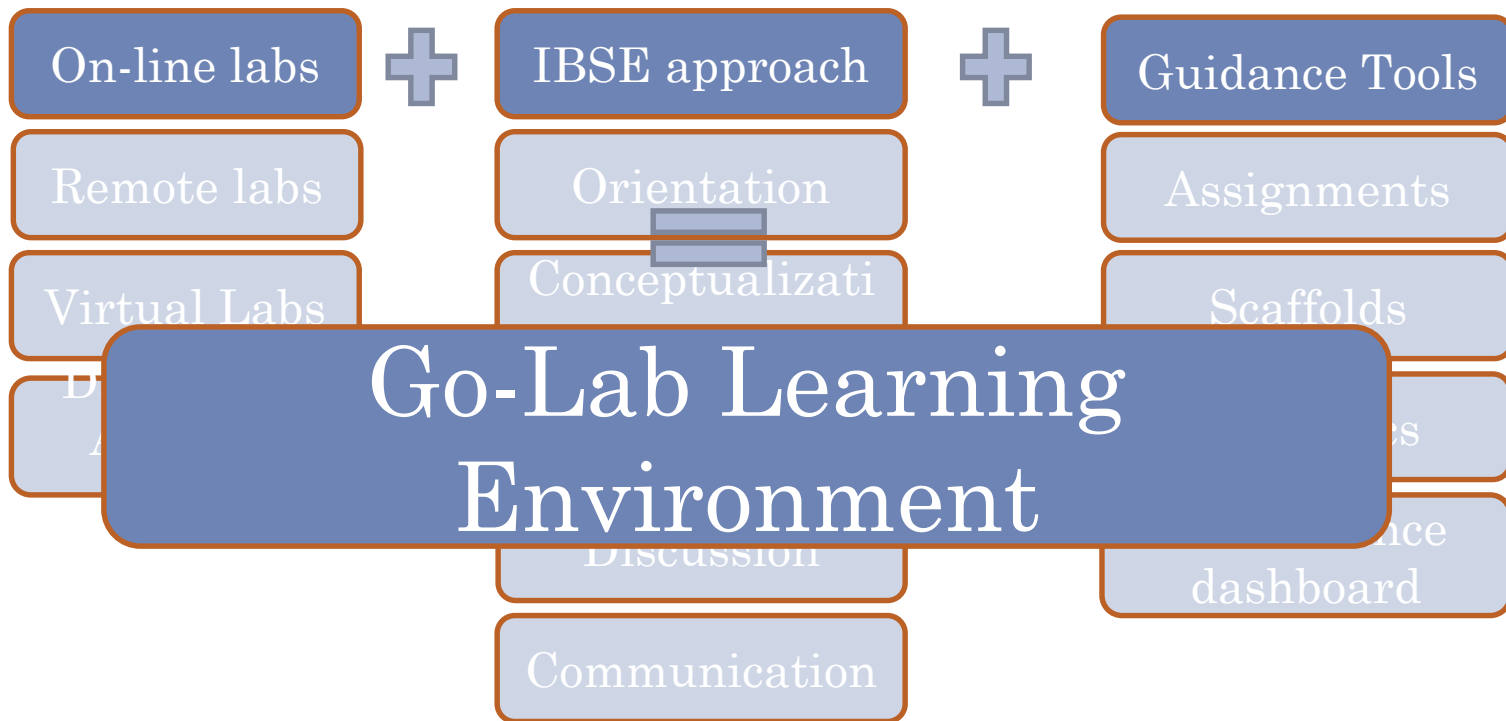
BEGINSITUATIE

- Ik ken een online lab.
- Ik maak gebruik van online labs.
- Ik vind het gebruik van online labs een meerwaarde.
- Ik heb al gehoord van Scientix?
- Ik heb al gehoord van Golab?



The Go-Lab ILS

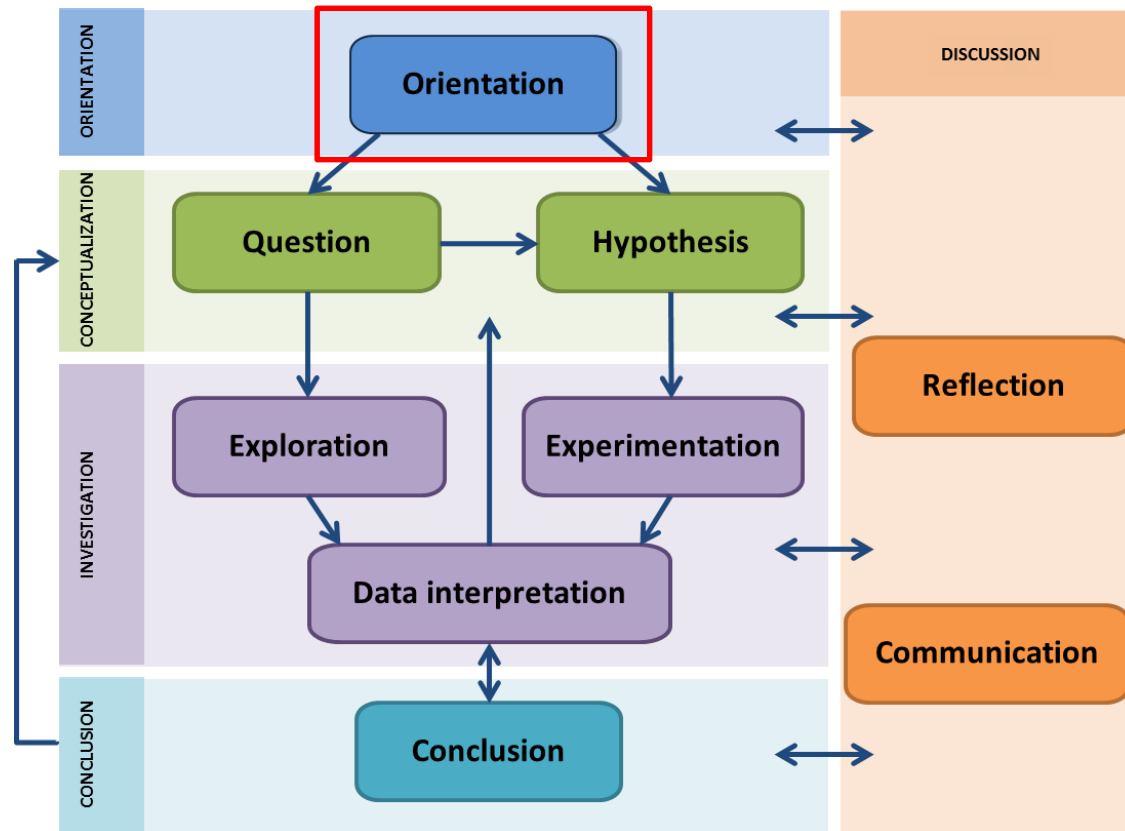
- * inquiry learning ondersteunen
- * uitvoeren van online experimenten



**TELL ME
AND I FORGET
TEACH ME
AND I REMEMBER
INVOLVE ME
AND I LEARN**

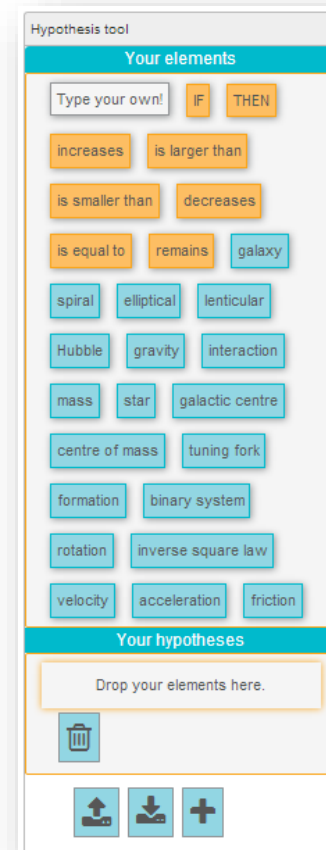
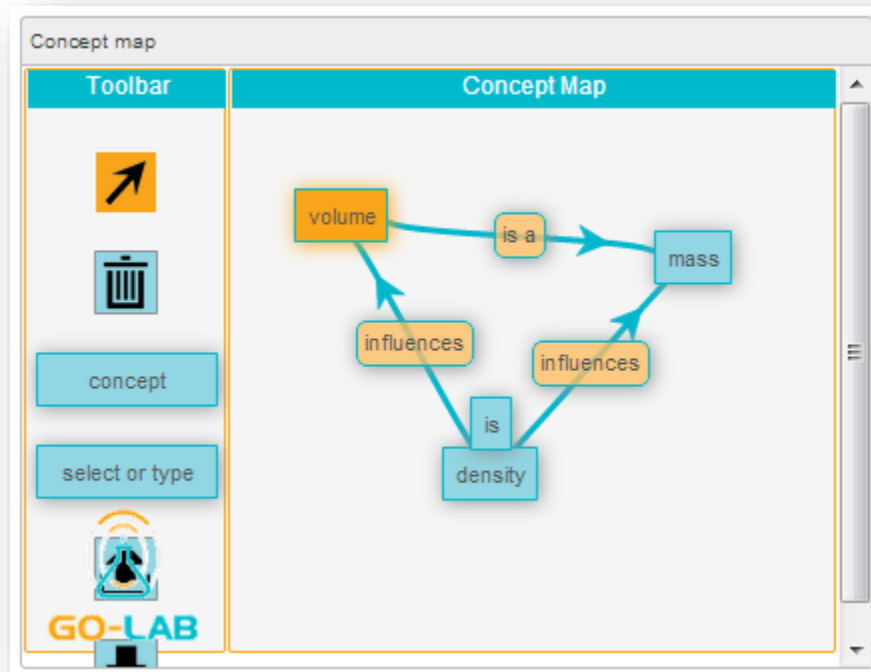
Chinese Proverb

THE GO-LAB INQUIRY CYCLE



ADDITIONAL TOOLS

- **Additional tools:** hypothesis scratchpad, concept map



OP ONTDEKKING

<http://graasp.eu/ils/59eda9b3dab0e8f63c663b0e/?lang=nl>

* 15 min om de ILS te ontdekken



We learn more by
looking for the
answer to a
question and not
finding it than
we do from
learning the
answer itself.

Lloyd Alexander

STARTPAGINA

GO-LAB Labs Apps Spaces Authoring Support About




Sharing and Authoring Platform

Find the largest collection of online labs, try-out interactive inquiry apps, combine labs and apps into Inquiry Learning Spaces, and share these with your students and colleagues.



LAB



Electrical Circuit Lab

In the Electrical Circuit Lab students can create their own electrical...

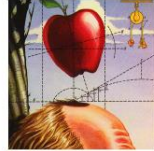
APP



Hypothesis Scratchpad

The Hypothesis Tool helps learners formulate hypotheses.

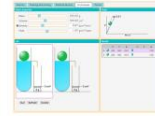
LAB



Gravity Force Lab

This lab allows the user to visualise the gravitational force that two objects...


LAB



Splash: Virtual Buoyancy Laboratory

In Splash students can create objects from object properties like mass,...

APP



Experimental Error Calculator

This tool allows students to calculate experimental errors that stem from...


APP



Experiment Design Tool

The Experiment Design Tool (EDT) supports planning scientific experiments...

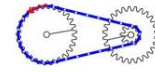
LAB



Acid-Base Solutions

How do strong and weak acids differ? Use lab tools on your computer to find out!

LAB



Gearsketch

A drawing-based learning environment for the gears domain.



LABS



Online Labs

Find online labs to enrich your classroom activities with exciting scientific experiments.



Online labs provide your students with the possibility to conduct scientific experiments in an online environment. Remotely-operated labs (remote labs) offer an opportunity to experiment with real equipment from remote locations. Virtual labs simulate the scientific equipment. Data sets present data from already performed lab experiments. Please use the filters on the right to find appropriate online labs for your class. Labs can be combined with dedicated [Apps](#) to create [Inquiry Learning Spaces](#) (ILSs).

Publish Lab

Propose Lab

Sort

Most Viewed

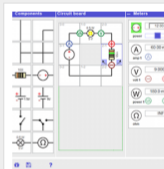
Sort

Subject Domains

- Astronomy (37)
- Biology (50)
- Chemistry (90)
- Engineering (27)
- Environmental Education (36)
- Geography And Earth Science (27)
- Mathematics (53)
- Physics (304)
- Technology (36)

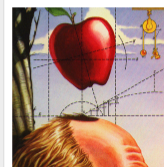
Big Ideas Of Science

- Energy Transformation (250)
- Fundamental Forces (300)
- Our Universe (44)
- Structure Of Matter (172)
- Microcosm (71)
- Evolution And Biodiversity (34)
- Organisms And Life Forms (39)



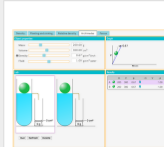
Electrical Circuit Lab

In the Electrical Circuit Lab students can create their own electrical circuits and do measurements on it. In the circuits the students can use resistors, light bulbs, switches, capacitors and coils. The circuits can be powered by a AC/DC power supply or batteries.



Gravity Force Lab

This lab allows the user to visualise the gravitational force that two objects exert on each other.



Splash: Virtual Buoyancy Laboratory

In Splash students can create objects from object properties like mass, volume, and density, and drop these objects in a tube filled with a fluid.



APPS

Inquiry Learning Apps

Provide guidance and support to your students at each step of the inquiry process.



Apps are dedicated software tools that help students in their inquiry learning tasks and help students to create hypotheses, design experiments, make predictions, formulate interpretations of the data, etc. Other learning apps present students, for example, with a quiz or allow students to view online teacher feedback. The apps can be combined with an [Online Lab](#) to create an [Inquiry Learning Space \(ILS\)](#). Learning Analytics apps give teachers an overview of students' progress in the ILS.

Sort

Most Viewed

Sort

Categories

- Go-Lab Inquiry Apps (18)
- Learning Analytics Apps (6)
- Domain Specific Apps (1)
- Math Related Support Apps (4)
- Collaboration Apps (6)
- General Apps (6)



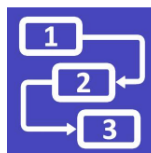
Hypothesis Scratchpad

The Hypothesis Tool helps learners formulate hypotheses. Predefined domain terms can be combined to form a hypothesis, using drag and drop. Learners can also add their own terms using the Type your own box. As a teacher you can change the configuration of this tool.



Experimental Error Calculator

This tool allows students to calculate experimental errors that stem from real experimental setups.



Experiment Design Tool

The Experiment Design Tool (EDT) supports planning scientific experiments and recording the results observed. Learners can define several experiment designs from the given set of properties and measures, and enter the values obtained from the corresponding experimental trials.



SPACES

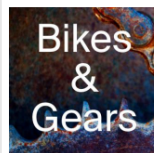
Inquiry Learning Spaces

Create Inquiry Learning Spaces and give your students the experience of doing science.



Inquiry Learning Spaces (ILSs) are personalized learning resources for students, including a lab, apps, and any other type of multimedia material. ILSs follow an inquiry cycle. Inquiry cycles can differ but the basic Go-Lab cycle consists of the phases Orientation, Conceptualisation, Investigation, Conclusion, and Discussion. The aim of an ILS is to provide students with an opportunity to conduct scientific experiments, being guided through the inquiry process and supported at each step.

This page presents ILSs created by teachers or the Go-Lab and/or Next-Lab team (and often in co-creation), on a large set of domains and in many languages. You can create ILSs starting from an online lab, but also copy and adapt an existing ILS with the help of the Go-Lab authoring platform. Visit the [Support](#) page where you will find demo-videos, tips & tricks, and user manuals, that explain how to work with the Go-Lab authoring platform and how to publish your own ILS once it is finished.



Bikes And Gears

How do gears work on a bike?
How does the size of the gears influence the speed of the wheel?
Do you always have to pedal faster in order to go faster?
These are some of the questions that can be addressed in this simple ILS.



Construir Um Átomo

Este espaço é para os alunos construírem átomos ao arrastar prótons, neutrões e eletrões.



Shashi_Geometry

We aim to find out where the error lies in placing geometry elements.

Sort

Newest

Sort

Subject Domains

- Astronomy (55)
- Biology (85)
- Chemistry (82)
- Engineering (16)
- Environmental Education (56)
- Geography And Earth Science (27)
- Mathematics (26)
- Physics (283)
- Technology (20)

Big Ideas Of Science

- Energy Transformation (231)
- Fundamental Forces (260)
- Our Universe (81)
- Structure Of Matter (173)
- Microcosm (71)
- Evolution And Biodiversity (52)
- Organisms And Life Forms (77)
- Planet Earth (124)

Age Ranges

- Before 7 (16)
- 7-8 (59)



WERKOMGEVING

The screenshot shows a user interface for a workspace environment. At the top, there is a search bar and a navigation bar with a 'Home' button. The user's name, 'fatiha.baki', is displayed in the top right corner of the workspace area. The main workspace is filled with a grid of tiles, each representing a different application or document. The tiles are arranged in rows and columns, with some tiles having a small '1' in the bottom right corner, indicating a notification or update. The tiles include:

- Drijven en zinken
- Een klein mysterie (1)
- Next-Lab Summer School 2017 Salmonella Problem
- Dashboard
- Oriëntatie
- Discussie
- Extra uitleg
- Bron van alle leven?
- Assessment
- Summer School 2016
- Golab@Brussels2016
- Apps and adaptability
- PHOTOSYNTHESIS
- Summer School 2015
- Wave on a String (1)
- Galaxy Crash (1)
- Galaxy Cra... (1)
- Galaxy Cra... (1)
- Wave on a String (1)
- Galaxy Cra... (1)
- Wave on a ...
- Wave on a ...
- Gas Laws
- Wave on a ...
- Wave on a ...

On the right side of the workspace, there is a 'Settings' panel. The panel has a title 'Settings' and a search icon. It contains several settings options:

- Change navigation style
 - Breadcrumb
 - Pyramid
- Profile metrics public
- Change password (button)
- Account deactivation (button)

The background of the workspace is a dark blue space-themed image with stars and nebulae. In the bottom right corner, there is a small orange circle and a blue speech bubble icon.

ONDERSTEUNING

GO-LAB Labs Apps Spaces Authoring Support About



Support



Video Tutorials



User Manuals



Tips & Tricks



Online Course



ZELF ONTDEKKEN VAN GOLAB

<http://www.golabz.eu/>

* 10 min



VRAGEN?

