

BookWidgets

https://www.youtube.com/watch?v=A3L_v3wN1YQ

Worksheet



- Science - Macromolecules (Samuel Caraballo)
- Exit ticket - Centrifugal Force
- Science - Flipped Instruction Try This at Home
- Rubric Question - Science Lab Self Assessment
- Biology - Life Under the Water

Split Worksheet



- Biology - Plastic Problem
- Biology - Modeling and Labs (Samuel Caraballo)
- Math - The Pythagorean Theorem

Quiz



- Math - Math every question type
- Math & science - Solve the math to find the animal
- Earth science - Earth Day
- Earth science - Summer Solstice

Video Quiz



- STEM project
- Physics - Gravity
- Biology - Cells vs Viruses

Timeline



- [Biology - Retrieval Practice Note Taking Biology](#)
- [Chemistry - Steps in an Experiment](#)

Web Quest



- [Math - Differentiation in Math](#)
- [Physics - Solar System](#)
- [Biology - A Closer Look at Cancer \(Samuel Caraballo\)](#)
- [Biology - Evidence of Evolution Stations](#)

Checklist



- [Chemistry - Slime experiment](#)

Jigsaw Puzzle



- [Math - Solve the math problem](#)

Spot the difference



- [Biology - Elephants](#)
- [Biology - Plant vs animal](#)
- [Geography - Volcanoes](#)

Crossword



- [Math - Solve the math problems](#)
- [Biology - Protecting our Oceans](#)

Pair matching



- [Math - Pizza Fractions](#)
- [Math - Math Problems](#)
- [Chemistry - Chemical Elements](#)

Before/ After



- [Geography - Impact of volcanic eruption](#)
- [Biology - Anatomy](#)

Hotspot image



- [Math - Math Puzzle](#)
- [Chemistry - Interactive Table of Elements](#)
- [Geography - The 7 Wonders of the World](#)

Random images



- [Biology - Cells](#)

Arithmetic



- Math - Multiply & divide
- Math - Simple arithmetic

Active plot



- Math - World Populations
- Math - Sine and Cosine

Chart



- Math - Animals
- Math - How much food do animals need
- Math - Probability calculation

Question types for mathematics and science subjects

In short

Every subject area has a selection of question types to choose from. Discover those best suited for math and science courses.

- 1 Sample quiz
- 2 LaTeX
- 3 General
- 4 Chemistry

1 Example quiz (overview)

Example quiz



This quiz provides an overview of many questions used in math. These may inspire you to select a greater variety of questions for your students.

2 LaTeX



Using LaTeX in assignments

With BookWidgets, you are able to enter LaTeX formulas

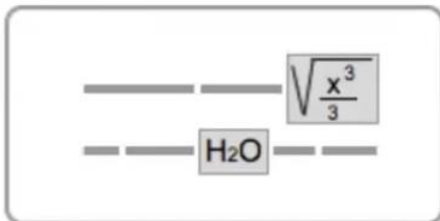
Some tips regarding LaTeX

There are websites where you can enter regular formulas and they will generate the corresponding LaTeX code for you to use in BookWidgets.

Bonus!

- [LaTeX editor](#)
- [Equatio extension](#) for in Chrome works in BookWidgets!
- [Blog post](#)

3 General (question types)



Equations

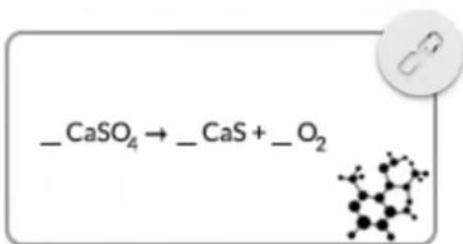
Question where students get a pop-up to use mathematical symbols.

Examples:

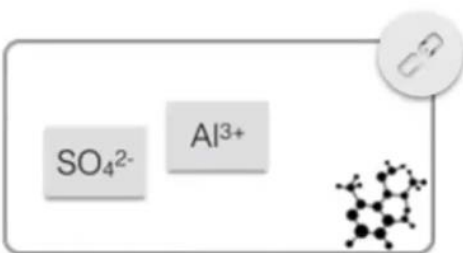
- [Addition of radicals](#)
- [Ionization equations of names](#)

Bonus - ['How to create' video](#)

4 Chemistry



Balance Chemical Equation



Ionic compound builder

[Example widget](#)

Bonus - ['How to create' video](#)



Options in BookWidgets

In short

Discover the additional options in BookWidgets to make your widget even better.

- 1 Calculator
Scratchpad
Import from document
- 2 The reporting dashboard

2 Calculator - Scratchpad - Import from document



Calculator

Provide a simple or scientific calculator. -

[Example widget](#)



Scratchpad

Give students a scratchpad for each question or some questions. This is not graded, but they can use it to perform calculations and show their work. - [Example widget](#)



Import from document

You can import questions into BookWidgets from existing Word and PDF files. The formulas will be automatically converted into LaTeX!

2 The reporting dashboard



The reporting dashboard

When students have submitted their work, it's time to assess it. There are several useful options, specifically designed for mathematics and science teachers:

- You can add formulas using **LaTeX** in the **comments**/remarks.
- You can provide **feedback** and highlight areas in the **scratchpad**. This helps point out errors in students' calculations. These **annotations** also work in **whiteboard and image questions**.

Bonus! - [See tutorial](#)



1 Useful integrations

Geogebra

- [Example 1](#)

Phet - Interactive simulations

- [Example 1](#)

Virtual biology lab

- [Example 1](#)

How can you integrate these applications into BookWidgets

- Example [Geogebra](#)
- Example [Phet](#)

<https://www.bookwidgets.com/>