

# WordPress

A tool for making tools that create and reuse OER

## What can WordPress do on the Internet?

- Write what you want
- Store what you want
- Show what you want
- Interact how you want

Consider it a box of possibilities, like Legos.

## A Continuum of OER Options

### PressBooks

- <https://pressbooks.com/> - the hosted service is an option if you don't want to run it yourself
- It's just a branch of WordPress
- It makes textbooks
- [You can import OpenStax textbooks into Pressbooks for editing, publishing etc. using this plugin from UBC.](#)
  - [Open Stax Bio book](#)
  - [Pressbooks import](#)
- You could also write a textbook from scratch like Matthew DeCarlo, Cory Cummings, Kate Agnelli did with the [Graduate Research Methods in Social Work](#).
- Because Pressbooks is WordPress you can include plugins or write your own. [This example from Katherine Judy Murphy in the French Department](#) shows how things can become as customized as you want.
  - [Gravity Forms](#) allows for automated assessment
  - [H5P](#) - enables a variety of interactive content
  - Multiple outside multimedia sources are integrated
  - [A custom plugin creates a vocabulary box for reference](#)

## Traditional WordPress

- 3D Protein
  - [A way to save and integrate 3D Protein](#) thanks to [mol.js](#)
    - WordPress just acts as a simple file storage and editing tool. All the hard work was done by mol.js (a project from pitt.edu)
    - [The plugin that enables WordPress to interact with the molecule data and mol.js](#)
    - [A minimal WordPress theme designed to be embedded in the LMS.](#)
- Timeline JS
  - [A way to create interactive multimedia timelines](#) thanks to [Knight Lab](#) (Northwestern University)
  - WordPress acts as the storage and editing tool. All the hard work was done by Knight Lab.
  - [The plugin that enables the timeline interaction is on GitHub.](#)
  - An aside: You could also use the WordPress API to show any WordPress content on a timeline. This could be a way for students to reflect on their work or a way to visualize content in multiple ways.
    - <https://rampages.us/extras/blogtime/>
    - <https://rampages.us/extras/blogtime/#bavatuesdays.com>
    - And the way the data can be visualized is limited only by the data and your imagination
- Canvas-ish
  - [Sometimes people want something like the LMS but without the LMS part.](#)
- Blending Technical Environments
  - WordPress lets you mix and match based on need. Here we mix lots of rich media with [Google Folders](#) to create [OER content for citizen science work in the field.](#)
- Geographic Data
  - Remember you can add or store anything you want so geographic data is no big deal. [So you could have students using their phones to annotate the city](#)
    - [Leaflet JS provides the foundation](#)
    - [The Map Theme provides the integration and editing options.](#)
  - And data entry can be as guided as you want. [This example is for capturing graphic design elements across Virginia.](#)
- Student Portfolios
  - Guiding students to be able to create the kind of data you need while giving them choice is possible. Thinking through scale evaluation and lots of other things are

within reach. [Here is one example of a student portfolio](#) that uses [Advanced Custom Fields](#) to create an easy and structured authoring process.

- [See how the JSON gets created by the content for analysis and aggregation here.](#)
- [I go on at length about student portfolios in this post if you're feeling masochistic.](#)