

Hypothesis: Using Web Annotation in the Online Classroom

eCampus Ontario, April 2020

bit.ly/hypeo

hypothes.is

Online, a book can be a gathering place, a shared space where readers record their reactions and conversations.

– Jennifer Howard, *“With 'Social Reading,' Books Become Places to Meet”* (2012)

The Hypothesis Organization



Open source, open standards

The Web works because, through standards, everyone can build on it — and no one owns it. The conversation over the web should be the same, and the organization behind it should be aligned with that outcome.



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Our Team

100% dedicated to education

1. Technology
2. Services
3. Integrations
4. Partnerships
5. Use Cases

Annotation as Ed-Tech

We have all seized the white perimeter as our own
and reached for a pen if only to show
we did not just laze in an armchair turning pages;
we pressed a thought into the wayside,
planted an impression along the verge.

– Billy Collins, “Marginalia”



Ancient Ed-Tech

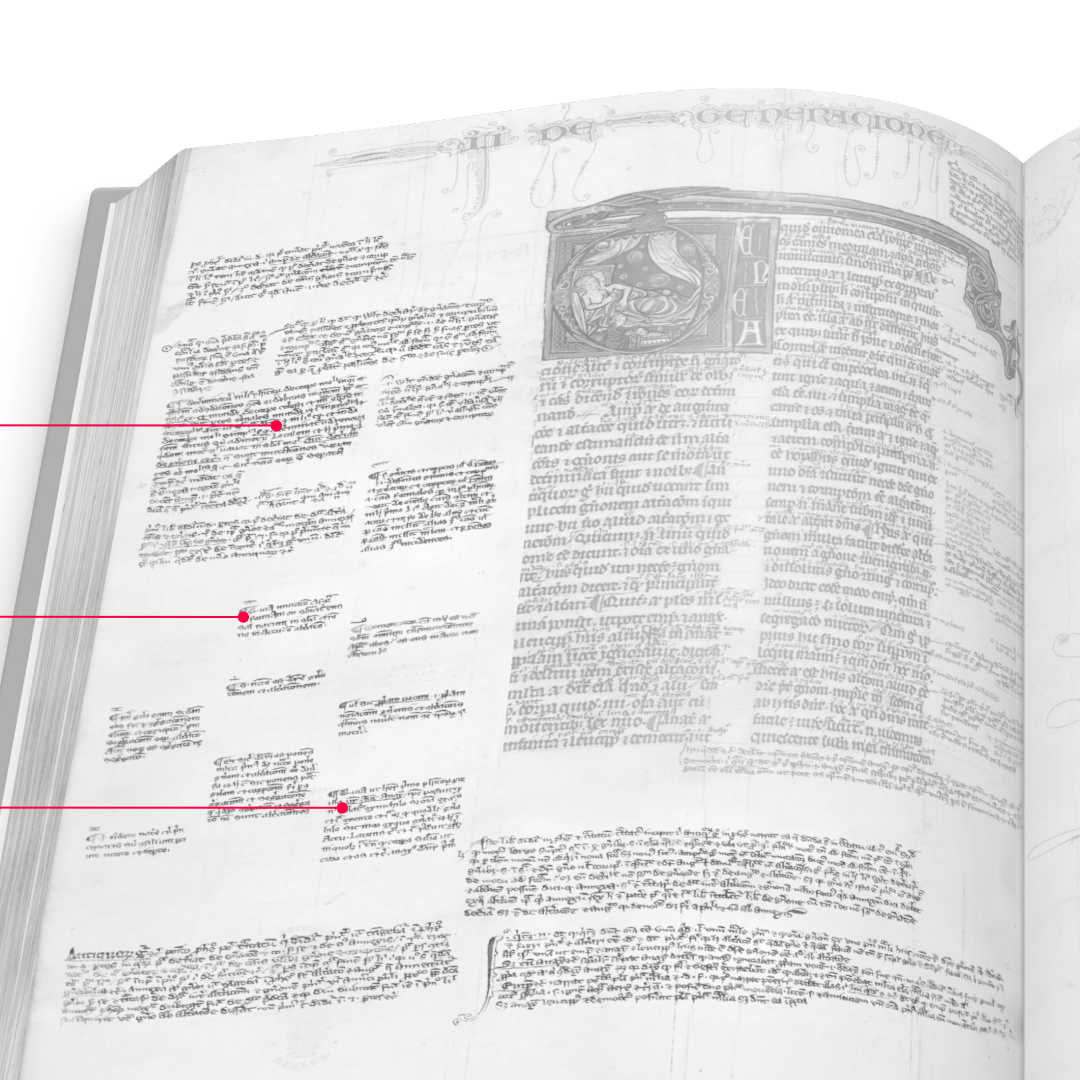
The Annotation

In context, In layers

Focused conversations

Additive to material

"Aristotle, Libri Naturales", 13th Century
British Library





Layers of Annotation

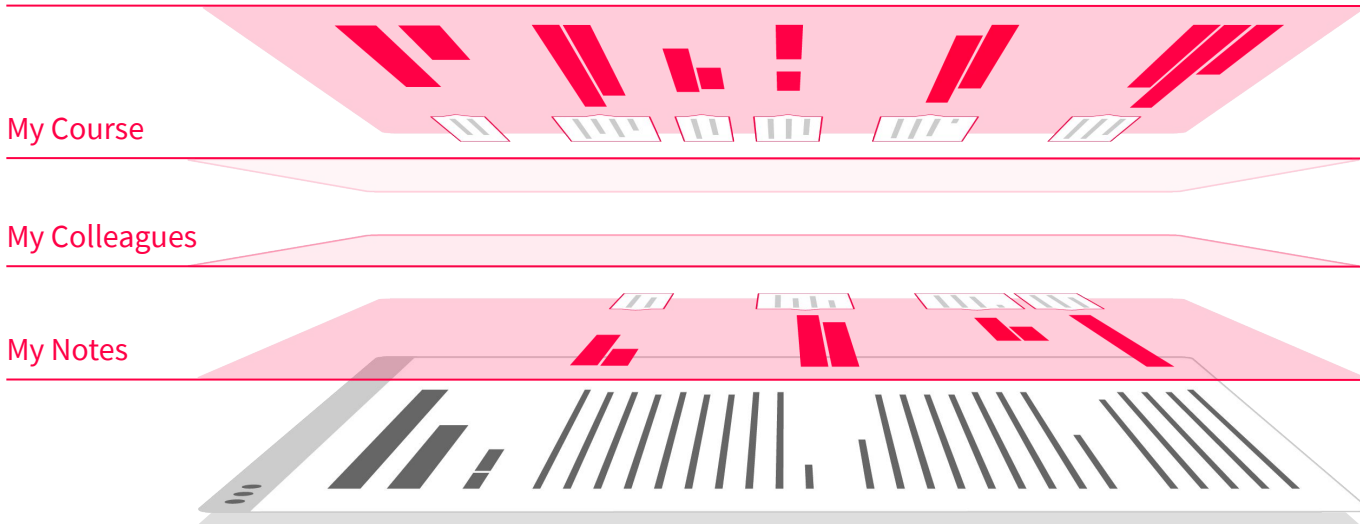
Public

My Course

My Colleagues

My Notes

Any Website, Article, eBook, Document, Multimedia



Hypothesis in Teaching & Learning

Hypothesis makes reading active

ENGLISH 528 FALL 2015

American Literature 1914 - 1960

EDNA ST. VINCENT MILLAY

"Love Is Not All" (1931)

Love is not all: it is not meat nor drink
Nor slumber nor a roof against the rain;
Nor yet a floating spar to men that sink
And rise and sink and rise and sink again;
Love can not fill the thickened lung with breath,
Nor clean the blood, nor set the fractured bone;
Yet many a man is making friends with death
Even as I speak, for lack of love alone.
It well may be that in a difficult hour,
Pinned down by pain and moaning for release,
Or nagged by want past resolution's power,
I might be driven to sell your love for peace,
Or trade the memory of this night for food,
It well may be, I do not think I would.

"Here lies, and none mourn him" (1934)

I want students to learn the profits and pleasures of careful, engaged reading. To cultivate this kind of reading and learning, I've tried a lot of previous annotation tools but Hypothesis finally delivers on the promise of digital annotation.

– Lawrence Hanley, Professor, Department of English, San Francisco State

PAGES


[Hypothesis demo](#)
[Mystery Text Assignment](#)
[Nella Larsen Timeline](#)
[Networking "Howl"](#)
[Quicksand Timeline](#)

Public J.T.Lara 5 search results

Clear search

J.T.Lara 7 months ago

Love is not all



1 reply

Jmugerio6 7 months ago

lol. I watch The Office and understand the reference perfectly (saying it in Dwight voice). He would be the first person to argue "Love is not all," or to counter The Beatles' lyric "All you need is love."--Nicely done.

J.T.Lara 7 months ago

Nor slumber nor a roof against the rain;

Hypothesis makes reading visible

The screenshot shows a web browser window displaying a research article from 'Neuropsychiatric Disease and Treatment' by Dovepress. The article title is 'Psychobiotics and the gut-brain axis: in the pursuit of happiness'. The authors are Linghong Zhou and Jane A Foster. The article is a review published on 16 March 2015. The abstract discusses the human intestine's microorganisms and their relationship with the gut-brain axis. The Hypothesis extension is visible, showing a sidebar with annotations and a main text area with highlighted text and marginal notes. The sidebar on the left contains a red box with text from Linda Parsons, a professor at The Ohio State University, stating that the annotations provide a window into the authors' thoughts and understandings that would otherwise be inaccessible. The sidebar on the right shows a list of annotations with a search bar and a list of results.

Page: 1 of 9 Automatic Zoom

Neuropsychiatric Disease and Treatment

Dovepress
open access to scientific and medical research

Open Access Full Text Article

REVIEW

Psychobiotics and the gut-brain axis: in the pursuit of happiness

This article was published in the following Dove Press journal:
Neuropsychiatric Disease and Treatment
16 March 2015
Number of times this article has been viewed

Linghong Zhou¹
Jane A Foster^{1,2}

¹Department of Psychiatry and Behavioural Neurosciences, McMaster University, Hamilton, Canada
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Abstract: The human intestine houses an astounding number and species of microorganisms, estimated at more than 10^{14} gut microbiota and composed of over a thousand species. An individual's profile of microbiota is continually influenced by a variety of factors including but not limited to genetics, age, sex, diet, and lifestyle. Although each person's microbial profile is distinct, the relative abundance and distribution of bacterial species is similar among healthy individuals, aiding in the maintenance of one's overall health. Consequently, the ability of gut microbiota to bidirectionally communicate with the brain, known as the gut-brain axis, in the modulation of human health is at the forefront of current research. At a basic level, the gut microbiota interacts with the human host in a mutualistic relationship – the host intestine provides the bacteria with an environment to grow and the bacterium aids in governing homeostasis within the host. Therefore, it is reasonable to think that the lack of healthy gut microbiota may also lead to a deterioration of these relationships and ultimately disease. Indeed, a dysfunction in the gut-brain axis has been elucidated by a multitude of studies linked to neuropsychological, metabolic, and gastrointestinal disorders. For instance, altered microbiota has been linked to neuropsychological disorders including depression and autism spectrum disorder, metabolic disorders such as obesity, and gastrointestinal disorders including inflammatory bowel disease and irritable bowel syndrome. Fortunately, studies have also indicated that gut microbiota may be modulated with the use of probiotics, antibiotics, and fecal microbiota transplants as a prospect for therapy in microbiota-associated diseases. This modulation of gut microbiota is currently a growing area of research as it just might hold the key to treatment.

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h.

Their annotations give me a window to their thoughts and understandings that I couldn't access otherwise...I wouldn't get this depth of interaction in a threaded discussion.

– Linda Parsons, Professor, Department of Teaching and Learning, The Ohio State University

Hypothesis makes reading social

Hypothesis is my literary Facebook. When I'm reading I sometimes wonder, 'Does anyone actually understand this? Am I crazy? With this brilliant tool I know I'm not alone.

– Shannon Griffiths, undergrad at Plymouth State University

PRESSBOOKS The Open Anthology of Earlier American Literature

Robin DeRosa

NARRATIVE OF THE THIRD VOYAGE, 1498-1500 (EXCERPT)

CHRISTOPHER COLUMBUS

I have always read that the world comprising the land and the water was spherical, and the recorded experiences of Ptolemy and all others have proved this by the eclipses of the moon and other observations made from East to West, as well as the elevation of the Pole from North to South. But as I have already described, I have now seen so much irregularity, that I have come to another conclusion respecting the Earth, namely, that it is not round as they describe, but of the form of a pear, which is very round except where the stalk grows, at which part it is most prominent; or like a round ball upon part of which is a prominence like a woman's nipple, this protrusion being the highest and nearest the sky, situated under the equinoctial line, and at the eastern extremity of this sea. . . .

Ptolemy and the other philosophers who have written upon the globe thought that it was spherical, believing that this (western) hemisphere was round as well as that in which they themselves dwelt, the centre of which was in the island of Arin,

hghounsell 1 months ago
I have now seen so much irregularity
How did he even come to this conclusion? What experiences/ observations did he make? Can I hate Columbus even more than I already do?
1 reply [Reply](#) [Link](#)

klariviere 1 months ago
that I have come to another conclusion respecting the Earth
what authority does he have to say this? I mean, come on.
[psuamit](#) [Columbus](#)
[Reply](#) [Link](#)

jtn1006 1 months ago
form of a pear
wow, this is a stretch of the imagination, at least so it would seem. I'm sure he had his reasons for this hypothesis, but it's hard to imagine
[psuamit](#)
[Reply](#) [Link](#)

sgriffiths8 1 months ago
or like a round ball upon part of which is a prominence like a woman's nipple,
um alright, interesting choice of Imagery...
1 reply [Reply](#) [Link](#)

Hypothesis in the Classroom

5 Ways to Annotate for and with Students

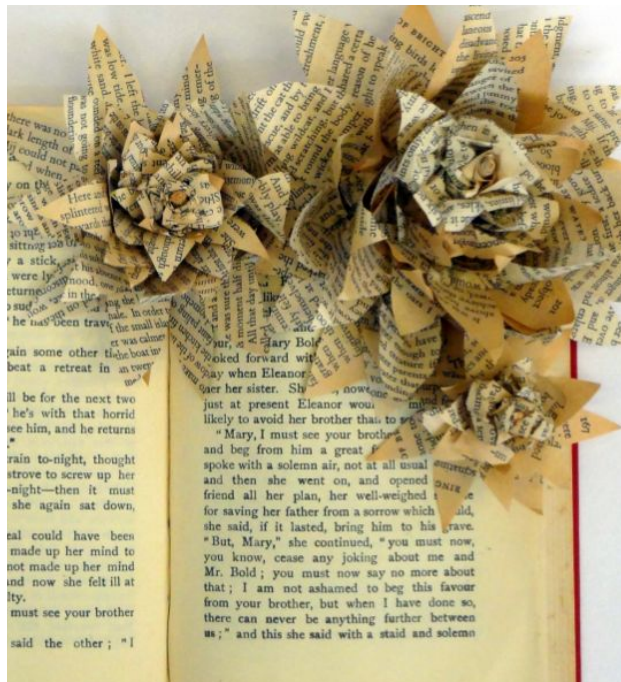
1. It's not about annotation, it's about community

Yes, we want our students to do the reading. We want them to understand it. We want them to think critically about it. And annotation is a great way to help cultivate those skills and practices. But beyond just being an annotation tool, *Hypothesis is also a great way for students to connect online in a substantive way, to ask each other questions, to share ideas, and to collaborate around their learning.*



2. Just make your readings annotation-enabled

Don't worry about coming up with an annotation activity or assignment. Don't worry about assessment. ***Just turn annotation on for your students, give them some basic guidance on how to use the Hypothesis tool, and see how they make use of the digital margins.***



3. Guide your students through the reading

Don't worry about making students do a new activity or learn a new tool, just annotate the texts yourself for their benefit. ***This is a very real way to be present in their learning when you can't physically be in the same place.***



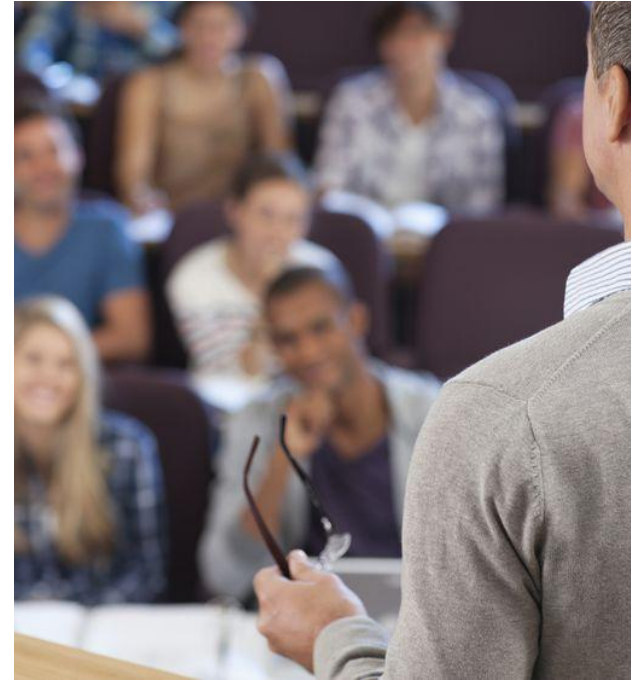
4. Seminar-style discussion online

Collaborative annotation is about as close to a seminar-style experience as one can have with a class online. Everyone has the book open, our conversation is grounded in the text and in each other's comments about it. Even if you are meeting “face to face” through video conferencing, annotating the reading together ahead of those synchronous meetings will help make better use of that precious time.



5. Have students annotate your lecture

Post your lecture notes and slide deck as a PDF online and ask students to annotate them with questions... Like in-class clickers, the notes students make will help you better understand where students are confused and enable you to clarify course concepts. You might even get some feedback on how to improve your own teaching materials!



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