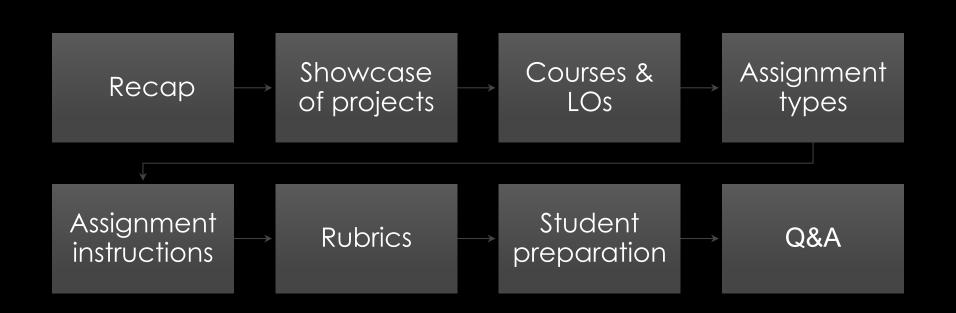


OVERVIEW



Recap

TimelineJS

- "TimelineJS is an open-source tool that enables anyone to build visually rich, interactive timelines." https://timeline.knightlab.com/ (Created by Northwestern University Knight Lab)
- As a platform, it allows students to integrate interactive, visually rich and multimodal digital items in a chronologically ordered way
- Multimedia in the form of videos, images, audios along with linked tweets, digital visualization assignments and resources can be added to enhance students writing
- It's easy for students to use and collaborate on with peers to build and develop





TimelineJS is a free platform for students to build digital timelines that can do more than "present a static linear progression of dates and names"

Recap

TimelineJS examples

- Women in Computing
- Whitney Houston
- The life of Confucius
- C.S. Lewis
- Gender Bias in Arthur Conan Doyle's novels
- Good & Evil in Robert Louis Stevenson
- Fashion in three novels
- Charles Dickens (1)
- Monsters and Heroes
- Charles Dickens (2)

Spreadsheet example:

https://docs.google.com/spreadsheets/d/13zVbKF4JODxq4v6xRill6o eKnCwdxodb914yMrXgoKg/edit#gid=0

What do you need to make it work?

- The Internet
- The site: timelineknightlab.com
- A Gmail account
- A Google spreadsheet template (generated by Knightlab)
- Multimedia from a variety of sources: [Check Supported Media types on the Timeline JS site]
 - Twitter
 - Instagram
 - Flickr
 - Google Maps
 - SoundClouds / Storify / Vimeo
 - URLs of online materials: sites, images, resources
 - Student-generated/created digital content: Photos, visualizations from digital tools: maps, word clouds, networks, videos, etc
 - Texts (paragraphs)
 - Bibliography
 - Can you think of more items?

Challenges

- Technical issues
 - Internet & electricity issues (Lebanon)
 - Temporary website issues
 - Media needs to be online
 - URLs sometimes got cut
 - Adding a bibliography at the end of the paper
 - Finding appropriate multimedia resources: (a librarian could help)
 - Practicing Academic Integrity
 - Writing texts in Google Sheets
 - Collaborative work during social distancing
- Do you anticipate other challenges?

Optional assignment for this workshop

- 1. Create a TimelineJS project with 5 different events to share with us
- 2. Think of a course that you might want to use the tool in
- 3. Which 1 or 2 LOs do you think the assignment will target in your course?
- 4. Where in the syllabus does it make sense to add the introductory and hands on training on Timeline JS for your students?
- 5. Think of an assignment that you might want to create using Timeline JS
- 6. Write a quick draft of the assignment instructions

Optional assignment for this workshop

- Will it be a collaborative or individual assignment?
- Will you be making available the digital objects for students' use?
- What weight of grades do you think you might give it?
- How would you like to grade the assignment? draft some rubric items that make sense for you
- Do you have a digital librarian who can support you and your students?
- Are you as a librarian interested in reaching out to faculty to offer support?

Showcase of projects by participants

Create a TimelineJS project with 5 different events to share with us

Courses where digital timelines could be integrated

American & English Literature Survey courses Academic Writing Creative writing History

Think of a course that you might want to use the tool in.

. . .

Learning Outcomes

- chart out important events, motifs, themes, and landmark figures using multimedia enhancements
- depict events in a chronological order
- ingeniously showcase understanding of events or trends for a particular topic / literary period / episode / literary work / motif / and character
- break information into parts to understand the impact of time and space on perspective and identify trends
- develop inquiry-based learning strategies

Learning Outcomes

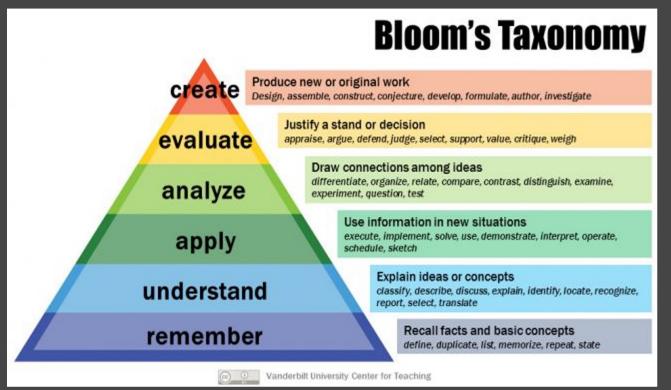
- practice and produce critical arguments in many formats, other than the traditional format of the academic essay
- find ways of connecting ideas, themes, events etc to build arguments about change or continuity
- break down information in a linear and nonlinear way to identify and analyze how unrelated events can be contextualized into a broader context
- compare and contrast between events and themes by visualizing similarities and differences
- see relationships between events, research papers in a literature review, etc

Learning Outcomes

- document and acknowledge variety of multimodal sources
- manage and self-direct own time
- create collaborative, interactive, multimedia, and visually attractive student-centered digital spaces
- extend writing beyond the classroom
- exercise and utilize 21st century technology (Moodle forums, Wikis, Open Source Software: Timeline JS & Online Platforms etc.)
- explore the English literary tradition in a student-centred way
- Add more ...

Which 1 or 2 LOs do you think your assignment will target in your course?

Bloom's Taxonomy for LOs



Introduce additional digital LOs

Add or adapt the following "... additional DH/digital outcomes produced by hands-on, experiential, and project-based learning through doing." (Anne Burdick et al. 134)

- Ability to integrate digitally driven research goals, methods, and media with discipline specific inquiry
- Ability to understand, analyze, and use data
- Develop critical savvy for assessing sources and data
- Ability to use design critically
- Ability to assess information and information technologies critically
- Ability to work collaboratively
- [Ability to apply quantitative methods to Humanities scholarship]

Explain how students will acquire digital skills and competencies to be more competitive on the job market

How does this digital assignment contribute to student learning?

- Supports authentic, inquiry-driven learning Facilitates undergraduate/graduate research projects Enables students to have a public impact
- Fosters collaborative, social learning
- Promotes creative confidence
- Promotes greater understanding of the digital environment in which we operate
- Promotes interdisciplinary, integrative thinking & doing

Slide 29 of Lisa Spiro's Case Studies of DH Pedagogy: https://digitalscholarship.files.wordpress.com/2013/03/gettysburgdhcasestudiesfinal.pdf

Revisions to an existing syllabus cover all the essentials sections in each syllabus:

- Meeting locations should indicate lab, other spaces outside the traditional classroom settings: Library archives, OCR labs
- Meeting times: Office hours + Online meeting times + Online presence
- Co-teachers, embedded librarian, archivist, technicians, visitors that will contribute to the course items
- Clarification of new types and levels of digital skills needed and acquired

Revisions to an existing syllabus cover all the essentials sections in each syllabus

- Clarification of new types of methodologies to be acquired
- Clarification of how the two above are relevant to students' education and to other courses
- Clarification of the nature of collaborative and individual assignments along with the assessment methods that will be used
- Alignment of new digital learning outcomes with disciplinary knowledge

- Course Readings and Glossaries
- Schedule with activities and due dates (phases)
- Resources and data that will be created with students throughout the semester
- Course policies: Attendance, Late Submission of Assignments, Ethical use of DH sources / Digital objects / Protection of students privacy
- TroubleShooting: where to get help/technical support and how?
- Tutorials for digital tools and skills required for each activity
- Platform where course contents, assignments, tutorials will be posted

Some of the main challenges include striking the right balance between teaching methods and skills along with content in each session and throughout the semester

4. Where in the syllabus does it make sense for you to add the introductory and hands on training on TimelineJS for your students?

Assignment types

- The Mcgraw Center for Teaching and Learning: https://mcgrawect.princeton.edu/assignment/make-a-timeline/
- Vanderbilt University Center for Teaching:

https://cft.vanderbilt.edu/guides-sub-pages/digital-timelines/

Timeline as archive

Timeline for analysis

Timeline as argument

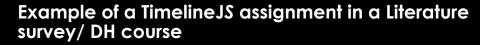
Timeline for student created content

- <u>Brian Croxall</u>: The "American Century" Geospatial Timeline https://briancroxall.net/2010/02/03/assignment-the-american-century-geospatial-timeline/
- Creating timelines by Lisa Spiro <u>https://docs.google.com/document/d/1xlv7WBIMAk6U4b8JLa4voQ6K6uOUnON9PcsUM6PQ</u> G-g/edit#

Assignment types

- Think of an assignment that you might want to create using TimelineJS
- Write a quick draft of the assignment instructions
- Will it be a collaborative or individual assignment?
- Will you be making available the digital objects for students' use?





"This is your first attempt at research in this course. The timeline is a creative, collaborative project that you will work on for the duration of the whole semester. It is mainly categorized as a creative project in that it allows you to ingeniously showcase your understanding of events or trends for a particular topic / literary period / episode / literary work / motif / character. Timelines require you to break information into parts, understand the impact of time and space on perspective and identify trends."

njarkasblog.wordpress.com/digital-timeline-assignment/







- 2. Create a tentative proposal and discuss it in class. (Week 3/4)
- 3. Explore Timeline JS
- 4. Choose a topic that has evolved over time and has many key events.
- 5. Your topic may incorporate events and pieces of information covered in the course readings and Moodle resources.
- 6. Structure your timelines **after the model of an academic essay**: abstract, introduction, body paragraphs, conclusion, and bibliography
- 7. Locate digital multi media relevant to your entries
- 8. Make sure you have fun with the topic you choose and remember to get my official approval of the topic as early as possible.





- 9. **Develop your timeline** adding more materials (DH Visualizations: Wordle; Maps; Gephi; Social Networks in DH classes) in support of your project proposal.
- 10. Give specific **start** and **end** parameters for your timeline.
- 11. Each project must include a minimum of 8 events.
- 12. Each event can include 4-5 entries which could be varied in genre/type from the following:
 - a description of the event
 - image

 - audio (all need to be accompanied by your annotation describing or analyzing their significance) quote from readings with (in-text citation)/tweet

 - 13. Each entry should be thoroughly fact-checked

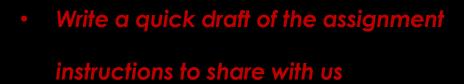


ASSIGNMENT INSTRUCTIONS



- 14. Update and revise your proposal as you go
- 15. Generate:
 - A Narrative addressing the overall focus in crafting the timeline, why it was chosen by the group, how it is supported by the entries
 - A Concluding Statement / Final Reflection on the process, and whether there are any lingering questions that your team might have about copyright issues, ambiguities in the information or the sources
- 16. Don't forget to include a list of your **references** which follows an appropriate documentation style
- 17. Exercise responsible scholarly engagement with your subject
- 18. Check Collaborative Wiki and Timeline Projects & Oral Presentations Rubrics
- 19. Sign **consent form** agreeing to sharing your timeline publicly. The student-generated bank of timelines can be very resourceful and useful for your other classmates in this and future courses.





Rubrics

- Grading can be done in three phases: (Literature Survey/DH Class)
 - Phase 1 (Week 4) proposal 5% stating the topic/theme of the timeline, why
 your team has chosen this topic, and who in your team is doing what
 - 2. Phase 2 (Week 7) 10% submission of two-page update of Google Sheets with 5 entries, digital resources, and 5 texts (paragraphs)
 - 3. Phase 3 (week 13) 10% completion of TimelineSJ and oral presentation (5% graded separately)
- Multimedia Timeline Rubric: https://www.dropbox.com/s/n80r330xy73hcju/Rubric-for-Multimedia-Timeline-Assignment.docx
- Collaborative Timeline Rubric: <u>https://docs.google.com/document/u/1/d/e/2PACX-1vS-</u> <u>jfoL7tGjZol YJHhCKjKNGfTGAH9W9kz79lYTM-0cclGrT6w9TP7eDxT13SRBw/pub</u>
- Rubric for oral presentations

Rubrics

- What weight of grades do you think you might give your assignment?
- How would you like to grade the assignment?
- Draft some rubric items that make sense for you

Student preparation

- Student technical skills
 - Timelines do not require a lot of digital skills:
 Quickstart Guide to TimelineJS
 https://mcgrawect.princeton.edu/guides/Quickstart-Guide-TimelineJS.pdf
- You can survey your students' technical needs using one of these forms
 - DH Course Student Digital Fluency Survey (fall, 2020 (Najla Jarkas)
 - Student skills pre-assessment survey (Jeffrey McClurken)
 - Caleb McDaniel (Rice)

Student preparation

- Do you have a digital librarian who can support you and your students?
- Does your library have a digital toolkit available for students?
- Will you be making available the digital objects for your students to use?
- Will your students be creating digital content?
- Who will be teaching them about issues around privacy & intellectual property
- Class size and number of students who require support in the lab with the tool
- Individual vs Group assignment support

Student preparation

 What other needs do you feel your students might need support with?

Link to digital tool kits in your library: http://coplacdigital.org/resources/digital-tools-and-resources/

Q&A

THANKS!

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