# **GP Lesson Structures & Conventions**

Interacting with the file structure:

GP lessons that are in development are expected to be browsed using Google Drive, either on the web interface or the highly recommended [Google Drive for Desktop App](https://support.google.com/drive/answer/7329379#zippy=%2Cdownload-install-google-drive-for-desktop). The advantage of the app is that it allows you to browse and stream just the files you need without sync'ing your whole drive. This is especially useful for sync'ing big project files to GDrive, as well.

File Naming Conventions:

1. For top-level files (e.g. presentations, etc. that non-GP-staff might interact with), always prefix with LessonShortName\_
2. Don't use snake\_case for filenames; use camelCase or kebab-case for filename subunits, separated by "\_"; i.e, *"\_" is our delimitter for filename subunits*
3. Avoid spaces in filenames, except for Google Slides Presentations, for maximum readability for teachers

Ex: **LessonShortName\_description-of-file\_part1\_G5-6.docx** (for external, i.e. client-facing, function...should have lessonShortName prefix)

**graphOfXYZ\_subset-descriptor-text\_i.jpg** (for internal use...doesn't necessarily have lessonShortName prefix)

\*subunits highlighted in different colors for clarity

Lesson File Structure:

**assembled-lesson-materials/** for learning materials; i.e., presentations (Google Slides), worksheets, infographics, etc. (ignored by GitHub)

* **JSON/** outputs of structured data from the assemble\_lesson.R script. These will be uploaded to Strapi to generate the lesson plan.
* **presentations/** presentations for in-class and remote delivery
* **production/** Files that are ready to be published
* Files in the root are understood to be draft files. Move files into the production folder as they're ready for publication.
* **worksheets/** worksheets for in-class and remote delivery
* **production/** Files that are ready to be published
* Files in the root are understood to be draft files. Move files into the production folder as they're ready for publication.

**assets/** for all graphics, videos, and multimedia (ignored by GitHub)

* **learning-plots/** visuals showing subject breakdowns and knowledge conveyed by the lesson; output from learningChart() and learningEpaulette()
* **orig-client-media\_NoEdit/** for original (unmanipulated) client media contributions
* **time-chunking-figs/** graphs showing how long each step of the lesson plan will take. These are output from the timeChunk() R function

**.. files at this level**

* All other folders and files should be named as tidily and sensibly as possible. Delete unnecessary draft files periodically.

**data/** for all data files associated with the lesson

* **orig-client-data\_NoEdit/** for original copies of all data files received from clients. Not to be altered.

**.. files at this level**

* **acknowledgements.xlsx**  record of people, affiliations, and contributions for the acknowledgment section
* **alignment-matrix.xlsx** standard alignment codes and notes on how the lesson teaches these lessons
* **procedure.xlsx** simplified procedural info for generating the time chunking graphics
* **teaching-resource-links.xlsx** spreadsheet for keeping track of links associated with lesson materials (esp. different presentation versions)
* **version-info.xlsx** version notes and acknowledgments for

**meta/** for "meta" files related to the lesson itself, such as acknowledgements, version info, lesson procedures, standards, teaching resource links, etc.

**scripts/** R and other scripts necessary to generate all lesson assets

**.. root files**

* **assemble\_lesson.R** A master R script that runs all subsidiary scripts and generates everything necessary to publish a finalized lesson plan via our Strapi CMS interface.
* **LessonShortTitle\_Roadmap.docx** The document modeled after the Strapi lesson plan publishing to work in collaboration with clients to build and publish the lesson.

Best practices:

1. Open all files (including .xslx and .docx) with Google Workspace Apps wherever possible to allow collaboration & clean version control. Ex: if using Google Drive for Desktop, instead of double clicking a spreadsheet file to open in Excel, right click and choose "Open in Google Sheets."
2. If you're editing with MS Office (Excel or Word), close your file and save it when you're not using it to avoid conflicts with other peoples' copies.