

Lesson Design Notes Template

First make a copy of this document (1 PER LESSON)

Lesson Title

Add your lesson title here.

title: 'Lesson Title'

Lesson Description

Provide a description (one or two paragraphs) about your lesson. This will show up on the lesson landing page.

FIXME add a short description of your lesson

Identifying Your Target Audience

Add your learner profile(s) below. See: [Library Carpentry Audience](#) for some ideas about roles in the Librarian profession or Software Carpentry [Learner Profiles](#) for some other examples.

FIXME add a description of the target audience for your lesson

Prerequisite Knowledge

Write a list of the skills/knowledge your learners will need to follow your lesson.

- FIXME prerequisite 1 goes here
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Lesson Learning Objectives

Objectives are the learning objectives for an episode and are displayed along with the questions below.

After following this lesson, learners will be able to:

- Objective 1
- Objective 2
- Objective N

Notes: Add any relevant information about how and why you defined these objectives. This information can be helpful for future collaborators/contributors/users to understand the scope of your lesson.

Questions

Questions are displayed at the beginning of the episode to prime the learner for the content.

- Question 1
 - Question 2
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Episodes

Each lesson should have more than one episode. Each episode is a separate file in the Carpentries Workbench **For each episode**, provide the following information:

Episode Title

FIXME - add Episode Title here

Episode Learning Objectives Look at your lesson learning objectives and break them down further.

After this episode, learners will be able to:

- objective 1
- objective 2
- ...
- objective N

Challenges/Exercises/Activities Provide practical tasks for learners to complete.

Challenges with Solutions Provide solutions for the challenges to facilitate discussions and deepen understanding.

Discussion Facilitate discussions around the challenges to deepen understanding.

Optional Elements

Lessons do not have to contain the following structural elements, but they can be useful for highlighting particular content. When using these, please clearly indicate what's part of the block. For their appearance, please look at the [Workbench Component Guide](#). Use them in line with your lesson content.

Callout Blocks One of the key elements of our lessons is our callout blocks, which give learners and instructors a bold visual cue to stop and consider a caveat or exercise.

CHECKLIST Callouts Created with the checklist tag, and are a way to emphasize particular steps more strongly.

TESTIMONIAL Callouts Created with the testimonial tag and are quotations from previous learners or instructors.

SPOILER Callouts Created with the spoiler tag and are a way to provide additional details/content that can be expanded and collapsed on demand.

Key Points

These appear at the bottom of each episode and provide some summary for the episode.

[Write your key points for the lesson below]

Data Set/Narrative

Add notes about any criteria you used when choosing a data set and/or narrative for your lesson.

Considerations:

- Which datasets and narratives did you consider?
 - How and why did you choose between them?
 - What implications do you think your choice of dataset and/or narrative will have for designing and implementing your lesson?
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Additional Design Notes

Add notes to this section that do not fit elsewhere in the page. Topics for this section might include:

- What has been tried that did not work
 - Learning objectives that you decided to remove (e.g., to trim down the content) and why
 - Concept maps for all or part of your lesson (see the section below)
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Instructions for Authors

1. **Lesson Title and Description:** Begin by filling in the title and a brief description of your lesson. This helps learners understand what the lesson is about and what they can expect to learn.
2. **Target Audience and Prerequisites:** Clearly define who the lesson is intended for and any prerequisite knowledge they should have. This ensures that the lesson is tailored to the appropriate audience and that learners are adequately prepared.
3. **Learning Objectives and Questions:** Use SMART criteria to write clear and achievable learning objectives. These should guide the development of your lesson content and exercises. Display questions at the beginning of each episode to prime the learners.

4. **Episode Structure:** Divide your lesson into multiple episodes, each focusing on a specific topic. For each episode, provide a title, detailed learning objectives, and associated exercises or activities.
 5. **Challenges, Solutions, and Discussions:** Use practical tasks to engage learners. Provide solutions for the challenges and facilitate discussions to deepen understanding.
 6. **Optional Elements:** Utilize callout blocks, checklists, testimonials, and spoilers to enhance the learning experience. Clearly label these elements to maintain structure and clarity.
 7. **Key Points:** Write the key points at the end of each episode to summarize the main takeaways and reinforce learning outcomes.
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