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# The Bender tutorials

build unknown

Add an introduction here, add external links like this one to the [LHCb Starterkit](#).

You can also add relative links within the website like this one to the [first section](#)!

# Contributing

[bender-tutorials](#) is an open source project, and we welcome contributions of all kinds:

- New lessons;
- Fixes to existing material;
- Bug reports; and
- Reviews of proposed changes.

By contributing, you are agreeing that we may redistribute your work under [these licenses](#). You also agree to abide by our [contributor code of conduct](#).

## Getting Started

1. We use the [fork and pull](#) model to manage changes. More information about [forking a repository](#) and [making a Pull Request](#).
2. To build the lessons please install the [dependencies](#).
3. For our lessons, you should branch from and submit pull requests against the `master` branch.
4. When editing lesson pages, you need only commit changes to the Markdown source files.
5. If you're looking for things to work on, please see [the list of issues for this repository](#). Comments on issues and reviews of pull requests are equally welcome.

## Dependencies

To build the lessons locally, install the following:

1. [Gitbook](#)

Install the Gitbook plugins:

```
$ gitbook install
```

Then (from the `bender-tutorials` directory) build the pages and start a web server to host them:

```
$ gitbook serve
```

You can see your local version by using a web-browser to navigate to `http://localhost:4000` or wherever it says it's serving the book.

# Getting started

Click on the "[Examples of formatting](#)" section on the left

# The title

## Learning Objectives

- The starterkit lessons all start with objectives about the lesson
- Objective 2 with some *formatted text like* this

## Basic formatting

You can make **bold**, *italic* and ~~strikethrough~~ text. Add relative links like [this one](#) and absolute links in a [couple](#) of [different](#) ways.

Have bulleted lists:

- Point 1
- Point 2
  - Sub point
    - Sub point
  - Sub point
- Point 2

Use numbered lists:

1. First
2. Second
  - i. Second first
    - i. Second first first
  - ii. Second second
3. Third

## LaTeX

You can use inline LaTeX maths such as talking about the decay  $D^{*+} \rightarrow D^0 K^+ \pi^+ \rightarrow K^+ \pi^+ \pi^+$ .

## Code highlighting

And have small lines of code inline like saying `print("Hello world")` or have multiple lines with syntax highlighting for python:

```
import sys

def stderr_print(string):
    sys.stderr.write(string)

stderr_print("Hello world")
```

bash:

```
lb-run Bender/latest $SHELL
dst_dump -f -n 100 my_file.dst 2>&1 | tee log.log
```

and more!

## Callouts

### Prerequisites

- Prerequisite 1
- Prerequisite 2

### Objectives

- Objective 1
- Objective 2

### Challenge

Set a challenge here, and the solution will remain hidden until it's clicked

- How to print?

### Solution

The answer is:

```
print("Hello world")
```

### Extra details that are hidden by default

Some extra details

### Keypoints

- Summary point 1

- Summary point 2

## Quotes

This was said by someone

## Tables

Simple tables are possible

First Header	Second Header
Content from cell 1	Content from cell 2
Content in the first column	Content in the second column

## Images



## Section types

This is a section

### Subsections

And a subsection

### Subsubsections

And a subsubsection

# Sections

Click on the subsection on the left to see the subsubsection



# A subsection

## Learning Objectives

- Objective 1
- Another objective

# A subsection

## Learning Objectives

- Objective 1
- Another objective