

# Course Builder Tool Tutorial

TA at

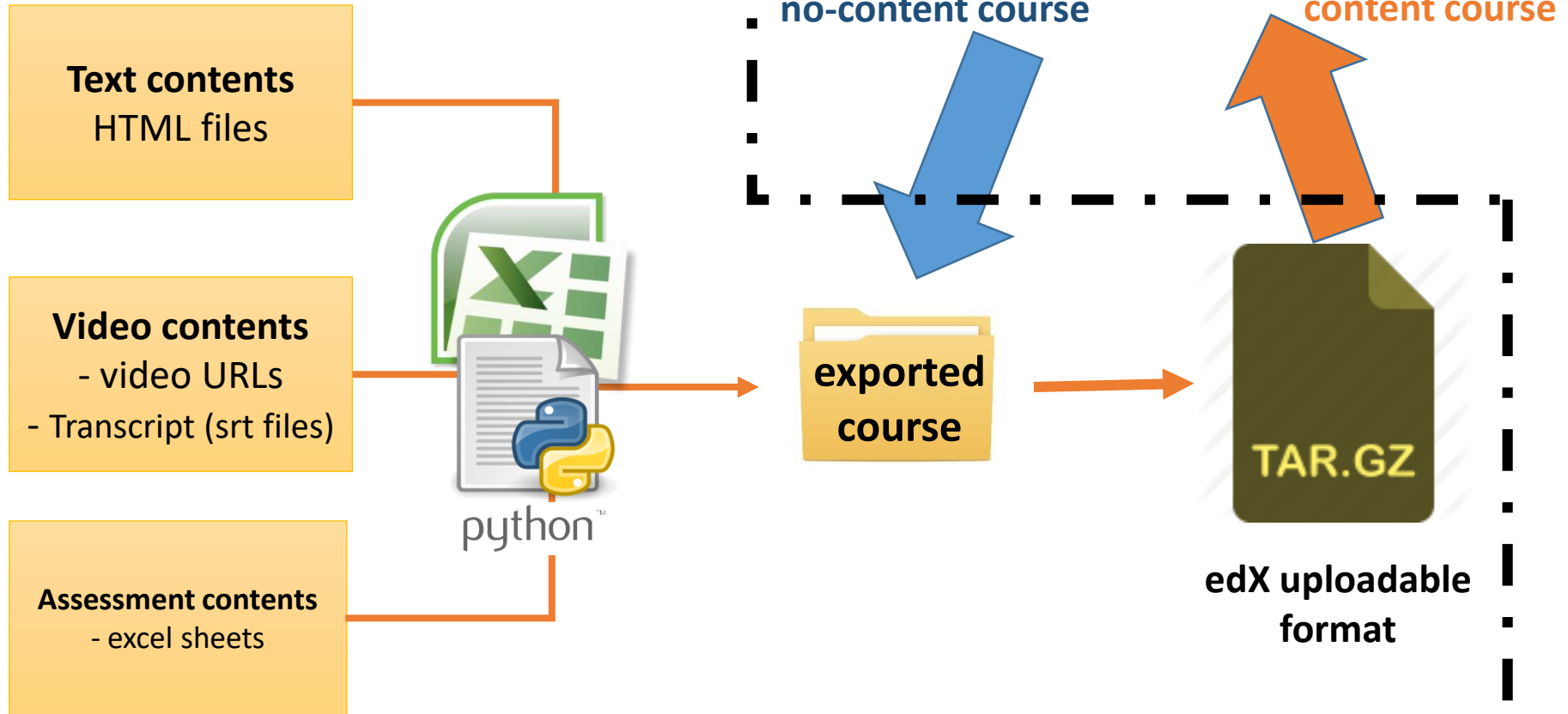
**Online Education Development Office (OEDO)**  
**Center for Innovative Teaching and Learning (CITL)**  
**Tokyo Institute of Technology, Japan**

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- Tool summary
- Definition of materials and outline
- Materials preparation
- How to fill data in macro-excel
- Built course with Python

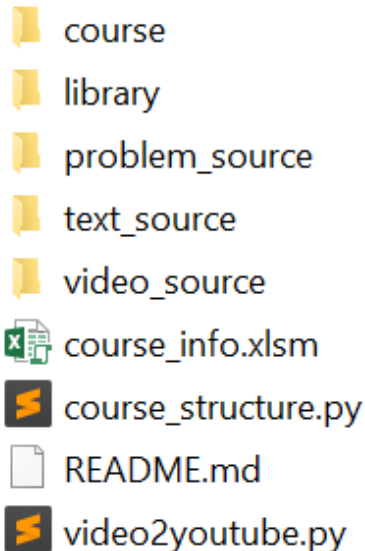
# Tool Overview

# Overview

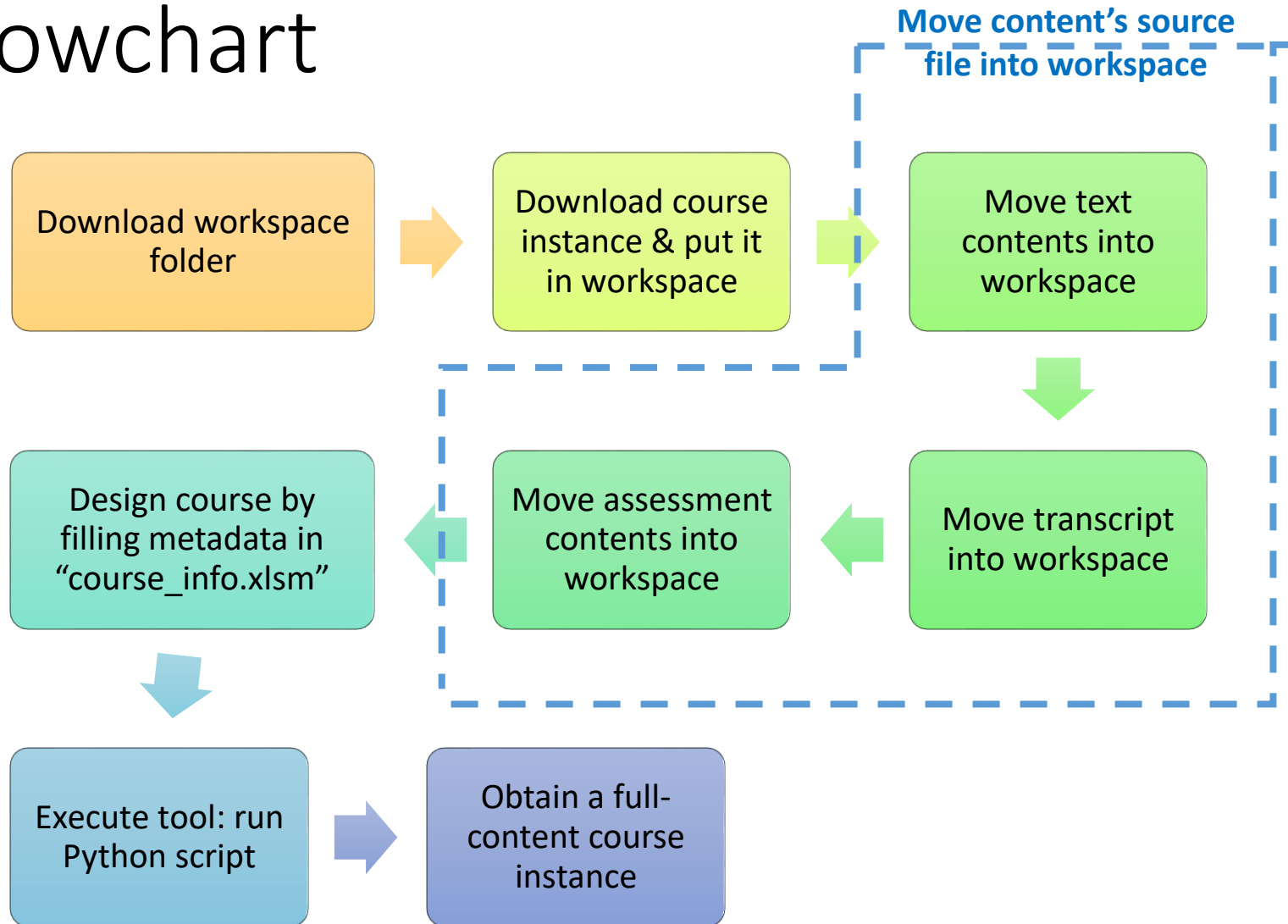


- The tool's workspace is available on GitHub
- <https://github.com/KeNopphon/edx-course-builder>

## Workspace



# Flowchart



# Definition of materials and outline

# Course outline

## Introduction to Deep Earth Science

[Resume Course](#)

### Pursue a verified certificate

- Official proof of completion
- Easily shareable certificate
- Proven motivator to complete the course
- Certificate purchases help us continue to offer free courses

[Upgrade \(\\$60\)](#)[Show less](#)

### Course Tools

- [Bookmarks](#)
- [Updates](#)

### Important Course Dates

Today is Oct 27, 2017 14:05 JST

**Verification Upgrade Deadline**  
in 5 months - Apr 1, 2018

You are still eligible to upgrade to a Verified Certificate! Pursue it to highlight the knowledge and skills you gain in this course.

[Upgrade to Verified Certificate](#)

**Course End**  
in 5 months - Apr 1, 2018

After this date, course content will be archived.

### Week 0. Getting started

[Welcome](#)[Resume Course ↻](#)[Getting familiar with an edX course](#)[Pre-course survey](#)

### Week 1. Introduction to the solid Earth

[Introduction](#)[1-1. Actual conditions inside the Earth](#)[1-2. Methods for examining the inside of the Earth](#)

Section

-subsection  
-subsection  
-subsection

Section

-subsection  
-subsection  
-subsection



# Course outline



TokyoTechX: GeoS101x Introduction to Deep Earth Science



[Course](#) [Discussion](#) [Progress](#) [Syllabus](#)

[Course](#) > [Week 3: Chemical composition of our planet](#) > [3-1. Two main types of rocks at the crust](#) > [3-1-1. video lecture](#)

Unit

Unit

Unit

Unit

Unit

[< Previous](#)



[Next >](#)

## 3-1-1. video lecture

[Bookmark this page](#)

## 3-1-1. video lecture





[Start of transcript. Skip to the end.](#)

# Text materials

## 3-1-3. Supplement: Granite and Basalt

[Bookmark this page](#)

First, let's review a bit about basalt and granite (1-4-2).

	Granite	Basalt
Photo	 Photo by Der Messer	 Photo by James St. John
Appearance	Lighter colors	Darker colors
Magma temperature	Low (1,100 to 1,200 K)	High (1,300 to 1,500 K)
Where they are found	Continental crust	Oceanic crust
Where they are formed	Mainly along subduction zones	Mainly mid-ocean ridges
Density	Around 2.7 g/cm <sup>3</sup>	Around 2.8 g/cm <sup>3</sup>

### About igneous rock

Igneous rocks are classified as volcanic or plutonic according to the differences in their structures when observed under a microscope. Volcanic rocks are rocks formed when magma cools rapidly, and when their structures are observed with a microscope crystalline and non-crystalline or amorphous portions can be seen. The crystalline portions are called phenocrysts and the other part the matrix.

(There are also some rocks such as basalt whose phenocrysts are subtle to the point of being hardly noticeable.)

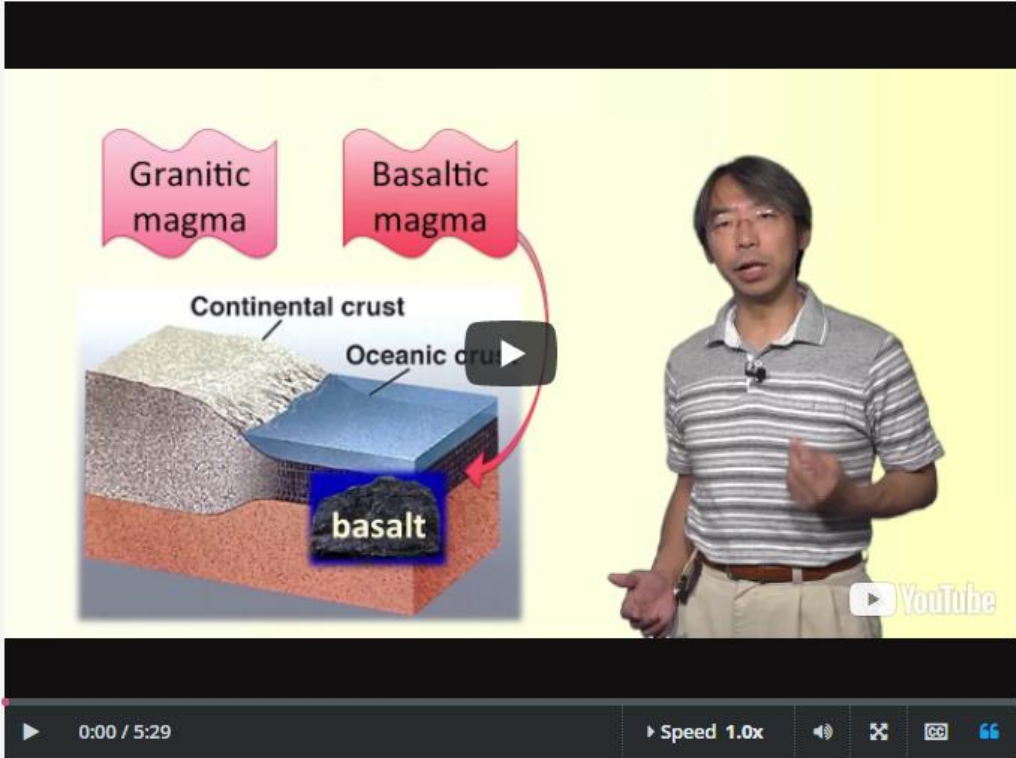
On the other hand, plutonic rocks are rocks formed deep in the Earth's interior when magma cools slowly, and have relatively large grains because all their components are formed through crystallization. Volcanic rocks are classified according to their chemical compositions, particularly how much SiO<sub>2</sub> they contain.

### Where do igneous rocks form?

It is understood that igneous rocks' composition reflects the conditions at the time they formed. We will consider where igneous rocks are formed from this point on

# Video materials

## 3-1-1. video lecture



Granitic magma

Basaltic magma

Continental crust

Oceanic crust

basalt

YouTube

0:00 / 5:29

Speed 1.0x

Transcripts

Start of transcript. Skip to the end.

Well, this time, I would like to talk about the chemical composition inside the Earth, and what types of rocks exist there. The Earth can be divided into three major sections: the crust, the mantle, and the core. First, let's consider the Earth's crust. The Earth's crust is made up of rocks, and the mantle is also made up of rocks, both of these consist of rocks. However, there is clear difference between them. What is the difference? Well, the mantle and the crust are in a parent-child

# Assessment material

Q3

1 point possible (ungraded)

Fill blank

What percent of the volume of the Earth is liquid? (Please choose the answer from multiple of 5 like 5, 10, 15, ..., 95, 100. You don't have to put "%" in your answer.)

Submit

You have used 0 of 1 attempt

 Save

Q4

1 point possible (ungraded)

Multiple choice

What would be the temprature at the center of the Earth?

☐ Around 1200 °C / 2200 °F

☐ Around 6000 °C / 10800 °F

☐ Around 12000 °C / 21600 °F

☐ Around 60000 °C / 108000 °F

Submit

You have used 0 of 1 attempt

 Save

# Assessment material

Q5

Checkbox

1 point possible (ungraded)

Which material(s) could be useful to estimate the chemical composition of the whole Earth.

- ☐ Solar atmosphere
- ☐ Sea water
- ☐ Xenolith (A rock from a deep part of the Earth)
- ☐ A grain of sand captured in meteorite by satellites
- ☐ Human body

Note: Make sure you select all of the correct options—there may be more than one!

Submit

You have used 0 of 1 attempt

 Save

# Assessment material

So far, handle only 4 types of assessment

## Unit 3 Quiz

[Bookmark this page](#)

### Quiz1

0.0/8.0 points (graded)

セブン・ステップ・ガイドを並び替えよ。

ステップ0.

Select an option ▼

ステップ1.

Select an option ▼

ステップ2.

Select an option ▼

Select an option

- 当事者の立場から、直面している問題を表現してみよ。
- 自分の行動方針を決定せよ。
- 事実関係を整理せよ。
- 再発防止に向けた対策を検討する。
- 倫理的観点から行動案を評価せよ。
- 自分が当事者としてとるであろう行動を想像してみる。
- 複数の行動案を具体的に考えてみよ。
- ステークホルダーと価値を整理せよ。

ページング

Select an option ▼

Droplist

Material preparation

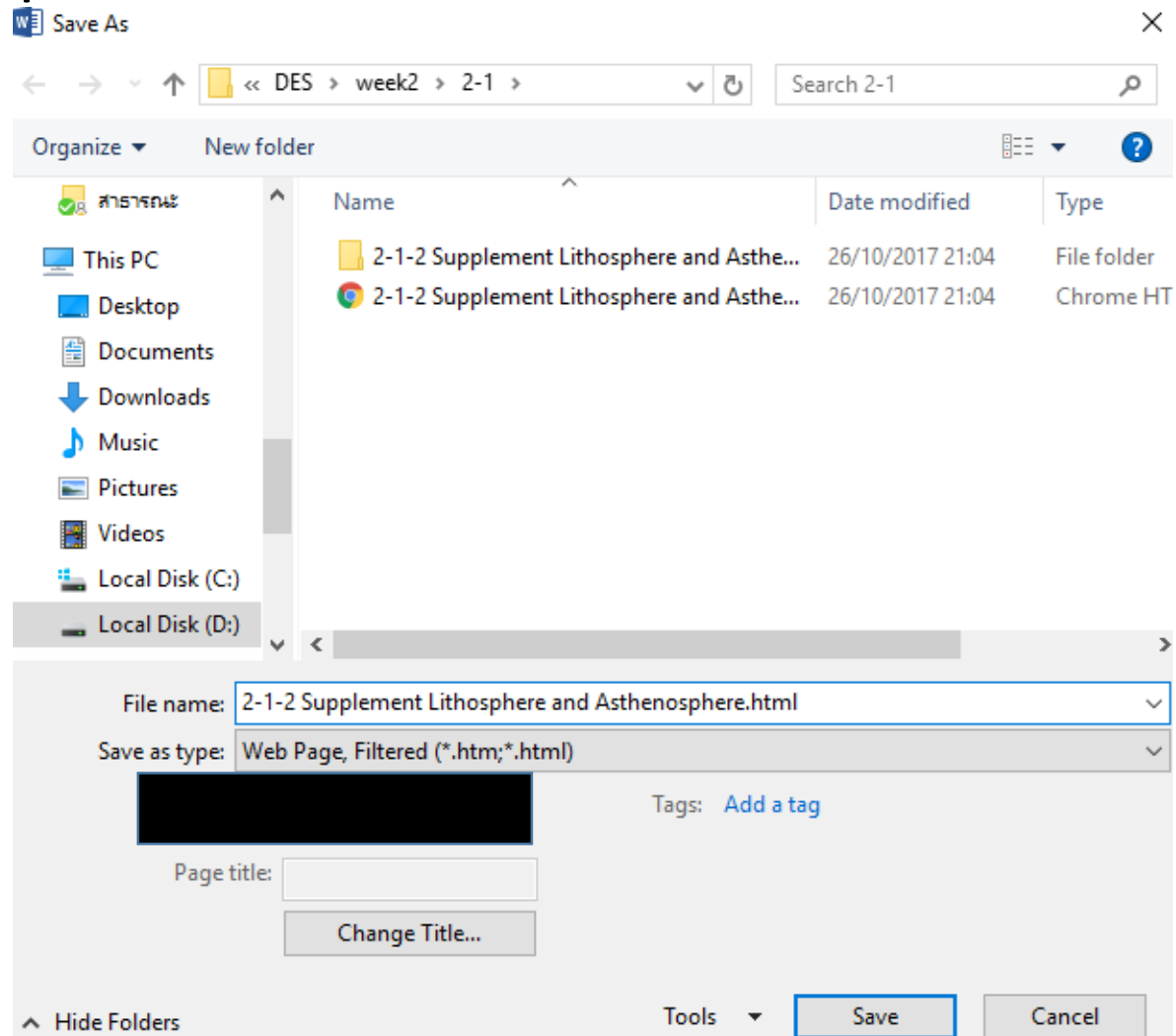
# Text material preparation

- Prepared in any editor (Word, WordPad, notepad, etc.)
- But it needs to be converted to **HTML file**



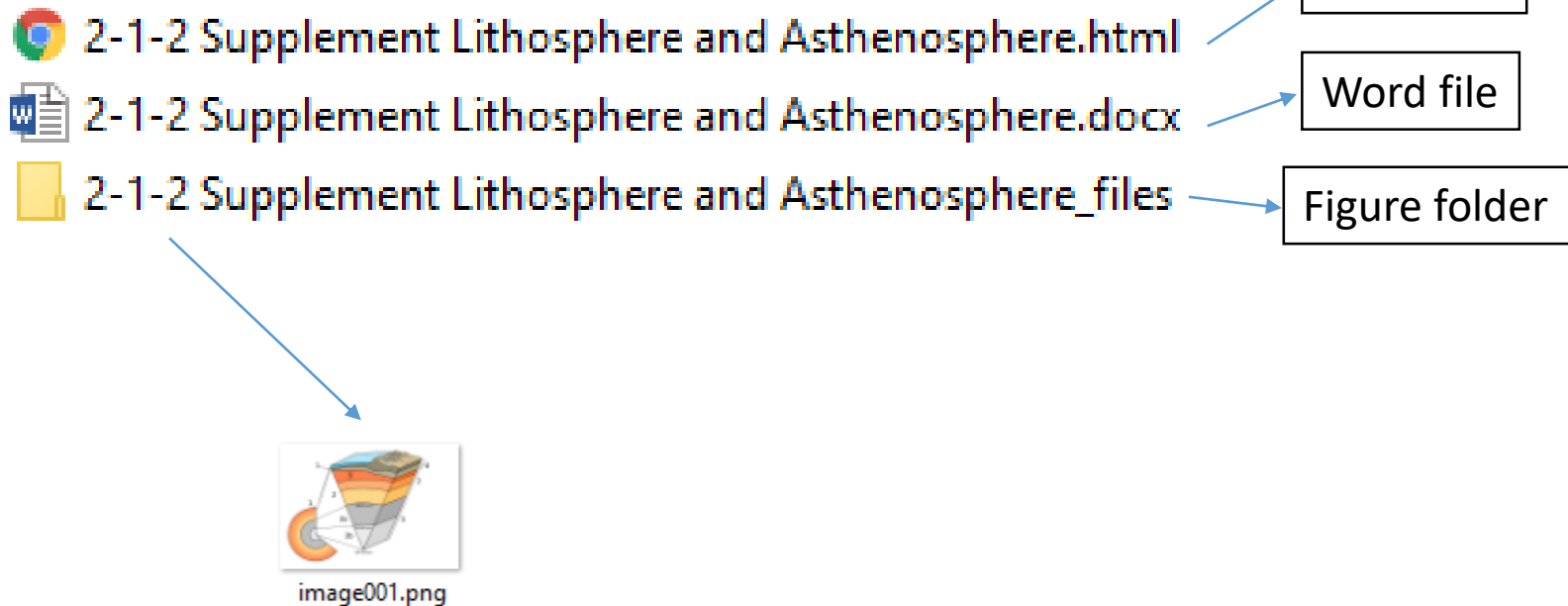
# Text material preparation

- For example, Word → HTML



# Text material preparation

- For example, Word → HTML



# Video material preparation

- Video link (Youtube)
  - required URL format (<https://youtu.be/f4JzqlwBLO8>)
- Transcript (srt file) optional

```
b
00:00:04,710 --> 00:00:10,920
As stated in the previous subsection, the fate awaiting plates
which are produced at

1
00:00:10,920 --> 00:00:16,490
mid-ocean ridges is different in Atlantic Ocean and Pacific
Ocean.

2
00:00:16,490 --> 00:00:23,070
In this subsection, we will learn about the mid-ocean ridge in
the Atlantic Ocean, as

3
00:00:23,070 --> 00:00:26,480
well as plates produced there.

4
00:00:26,480 --> 00:00:33,670
When looking at a bathymetric chart, you can see that the Mid-
Atlantic Ridge is distributed

5
00:00:33,670 --> 00:00:39,629
```

# Assessment material preparation

- XML format is required (but difficult)
- Assessment-formatted excel file is prepared
  - Format.xlsx → prepared in workspace folder

Fill blank

problem_display_name	grade_weight	max_attempts	hint	subquestion	answer
What percent of the volume of the Earth is liquid?		1		(Please choose the answer from multiple of 5 like 5, 10, 15, ..., 95, 100. You don't have to put "%" in your answer.)	80

Drop list

problem_display_name	grade_weight	max_attempts	hint	subquestion	droplist	answer
What percentage of global volcanic activity occurs at mid-ocean ridges?					25%	f
					50%	f
					75%	t
					100%	f

# Assessment material preparation

## Multiple choice

problem_display_name	grade_we	max_att	hint	subquesti	choice	answer
Which material(s) could be useful to estimate the chemical composition of the whole Earth.		1			Solar atmosphere	f
					Sea water	f
					Xenolith (A rock from a deep part of the Earth)	t
					A grain of sand captured in meteorite by satellites	f
					Human body	t

Same excel-based structure but

Multiple choice → SINGLE correct answer  
 Checkbox → MULTI correct answer

## checkbox

problem_display_name	grade_we	max_att	hint	subquesti	choice	answer
Which material(s) could be useful to estimate the chemical composition of the whole Earth.		1			Solar atmosphere	f
					Sea water	f
					Xenolith (A rock from a deep part of the Earth)	t
					A grain of sand captured in meteorite by satellites	f
					Human body	t

# Assessment material preparation

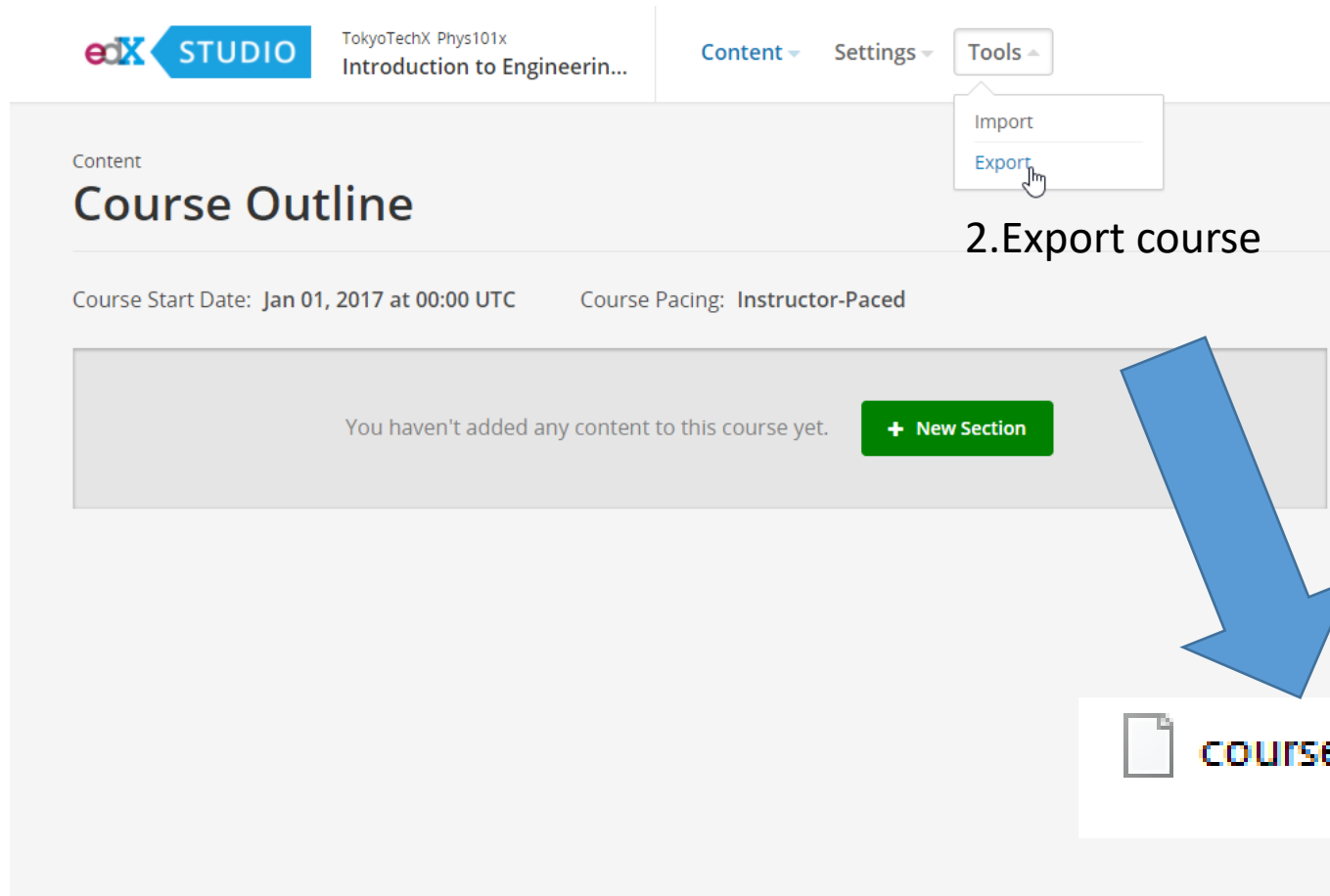
- `Grade_weight` : the number of points each problem is worth
- `Max_attempts` : number of times a student can try to answer

Source: Problem component setting in edx.studio

Fill data in macro-excel

# Export an empty course instance

## 1. Create a new course instance

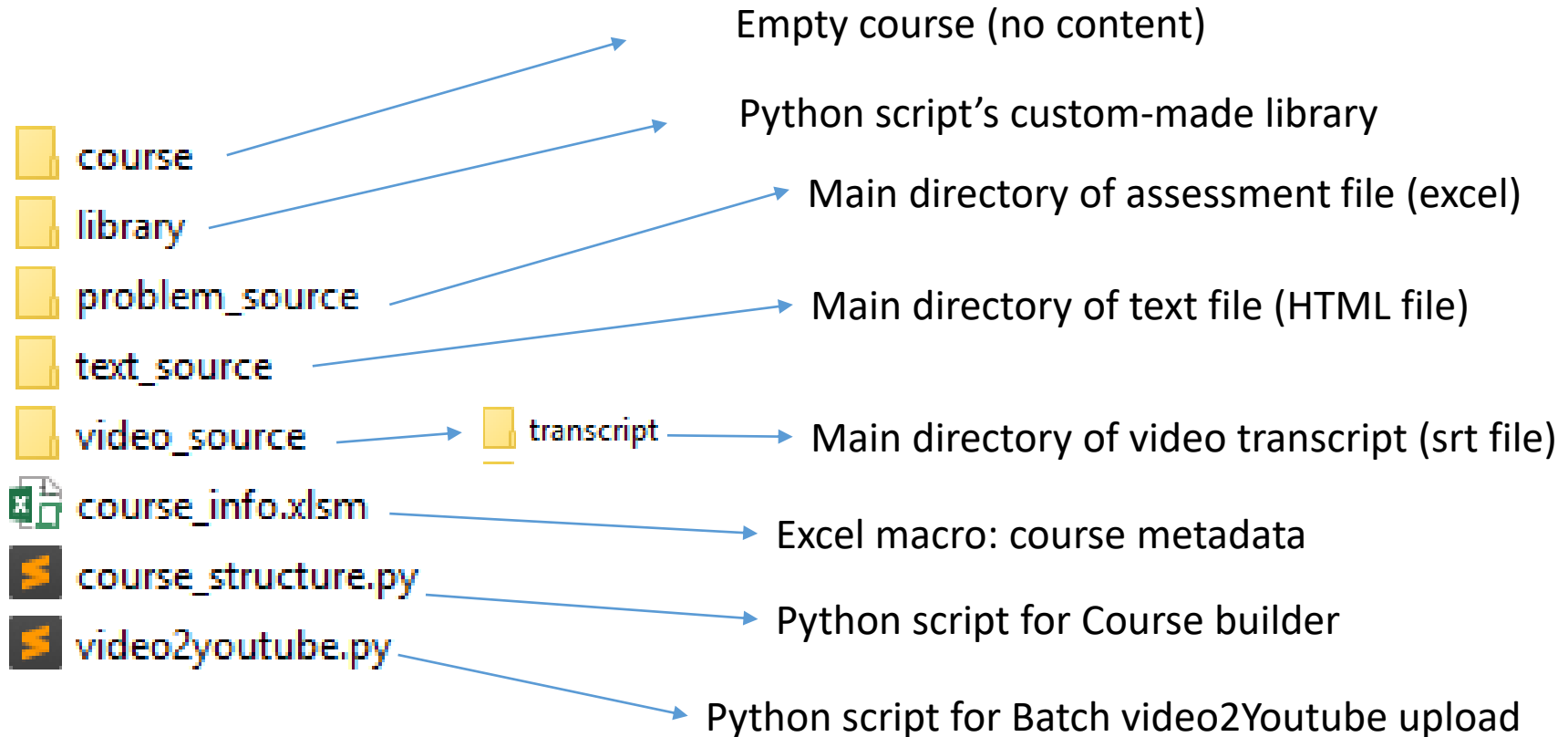


The screenshot shows the edX Studio interface for a course titled "TokyoTechX Phys101x Introduction to Engineerin...". The top navigation bar includes "Content", "Settings", and "Tools". The "Tools" menu is open, showing "Import" and "Export" options, with a mouse cursor clicking on "Export". The main content area is titled "Course Outline" and shows "Course Start Date: Jan 01, 2017 at 00:00 UTC" and "Course Pacing: Instructor-Paced". A message states "You haven't added any content to this course yet." with a "+ New Section" button. A large blue arrow points from the "Export" button in the menu to a file icon and the filename "course.3dsxX1.tar.gz" below the main content area.

## 3. Unzip and place in workspace folder(see next slide)



# Workspace folder



# Course\_info.xlsm

- Sheets

- coursestructure
- text
- video
- problem

Course builder

- upload\_list
- caption\_list
- thumbnail\_list

Batch video2Youtube upload

- metada

leave it there, no need to consider

# Coursestructure sheet

# Course overview

	idx	section	subsection	unit	component	component type	remark
<b>Index (unique)</b>						<div>text</div> <div>video</div> <div>problem</div> <ul style="list-style-type: none"> <li>- text</li> <li>- video</li> <li>- problem</li> </ul>	
		Section name		unit name		Type of material	
			Subsection name		material name		For remark (Optional)

# Coursestructure sheet

## example

dx	section	subsection	unit	component	component_type	remark
1	Week 1. Introduction to the solide Earth	Introduction	Introductory Video	Introductory Video	video	1st week
2	Week 1. Introduction to the solide Earth	Introduction	Introductory Video	Random Video	video	1st week
3	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	Q2	problem	1st week
4	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	Q3	problem	1st week
5	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	Q5	problem	1st week
6	Week 1. Introduction to the solide Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	text	1st week
7	Week 1. Introduction to the solide Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	ELSI Introductory Video	video	1st week
8	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture	1-1-1. video lecture	video	1st week
9	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture	quiz	problem	1st week
10	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-2. Summary: Data on the three layers of the earth	1-1-2. Summary: Data on the three layers of the earth	text	1st week
11	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture	2-1-1. video lecture	video	2nd week
12	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture	Quiz	problem	2nd week
13	Week 2. Plate Tectonics	2-1. What are plates?	2-1-2. Supplement: Lithosphere and Asthenosphere	2-1-2. Supplement: Lithosphere and Asthenosphere	text	2nd week
		2-2. Where plates are				

# coursestructure sheet

## Update/reset button

component_type	remark								
video	1st week								
video	1st week								
problem	1st week								
problem	1st week								
problem	1st week								
text	1st week								
video	1st week								
video	1st week								
problem	1st week								
text	1st week								
video	2nd week								

Update data into other material sheets  
with respect to material type

update compoenent

Remove data at all material sheets

reset component

# text sheet

before

idx	section	subsection	unit	text_name	file_dir	file_name
6	Week 1. Introduction to the solid Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"		
10	Week 1. Introduction to the solid Earth	1-1. Actual conditions inside the Earth	1-1-2. Summary: Data on the three layers of the earth	1-1-2. Summary: Data on the three layers of the earth		
13	Week 2. Plate Tectonics	2-1. What are plates?	2-1-2. Supplement: Lithosphere and	2-1-2. Supplement: Lithosphere and Asthenosphere		
16	Week 2. Plate Tectonics	2-2. Where plates are produced	2-2-2. Supplement: Dating	2-2-2. Supplement: Dating		
18	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-2. Supplement: Hot Spots	2-3-2. Supplement: Hot Spots		
19	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-3. Supplement: Formation Of The Atlantic Ridge	2-3-3. Supplement: Formation Of The Atlantic Ridge		

Directory inside text\_source folder

Directory of HTML file  
HTML filename

after

idx	section	subsection	unit	text_name	file_dir	file_name
6	Week 1. Introduction to the solid Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	text_source\DES\week1\intro	About EARTH.html
10	Week 1. Introduction to the solid Earth	1-1. Actual conditions inside the Earth	1-1-2. Summary: Data on the three layers of the earth	1-1-2. Summary: Data on the three layers of the earth	text_source\DES\week1\1-1	1-1-2 Summary Data on the three layers c earth.html
13	Week 2. Plate Tectonics	2-1. What are plates?	2-1-2. Supplement: Lithosphere and	2-1-2. Supplement: Lithosphere and Asthenosphere	text_source\DES\week2\2-1	2-1-2 Supplement Lithosphere and Asthenosphere.html
16	Week 2. Plate Tectonics	2-2. Where plates are produced	2-2-2. Supplement: Dating	2-2-2. Supplement: Dating	text_source\DES\week2\2-2	2-2-2 Supplement Dating.html
18	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-2. Supplement: Hot Spots	2-3-2. Supplement: Hot Spots	text_source\DES\week2\2-3	2-3-2 Supplement Hot Spots.html
19	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-3. Supplement: Formation Of The Atlantic Ridge	2-3-3. Supplement: Formation Of The Atlantic Ridge	text_source\DES\week2\2-3	2-3-3 Supplement Formation Of The Atlar Ridge.html

# video sheet

before

idx	section	subsection	unit	video_url	video_name	file_dir	en_sub	jp_sub
1	Week 1. Introduction to the solide Earth	Introduction	Introductory Video	Youtube url	Introductory Video			
2	Week 1. Introduction to the solide Earth	Introduction	Introductory Video		Random Video			
7	Week 1. Introduction to the solide Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"		ELSI Introductory Video	Directory of srt file	Eng srt filename	Jp srt filename
8	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture		1-1-1. video lecture			
11	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture		2-1-1. video lecture			
14	Week 2. Plate Tectonics	2-2. Where plates are	2-2-1. video lecture		2-2-1. video lecture			
17	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-1. video lecture		2-3-1. video lecture			

Directory inside video\_source folder

Optional

after

idx	section	subsection	unit	video_url	video_name	file_dir	en_sub	jp_sub
1	Week 1. Introduction to the solide Earth	Introduction	Introductory Video	<a href="https://youtu.be/35g4lVKXx8I">https://youtu.be/35g4lVKXx8I</a>	Introductory Video	video_source\transcript	01-TKTGEOS1T116-V012100-35g4lVKXx8I_en.srt	
2	Week 1. Introduction to the solide Earth	Introduction	Introductory Video	<a href="https://youtu.be/CzINMhDY8io">https://youtu.be/CzINMhDY8io</a>	Random Video	video_source\transcript	No_06_Week6-06-en.srt	No_01_Week6-01.srt
7	Week 1. Introduction to the solide Earth	Introduction	About EARTH-LIFE SCIENCE INSTITUTE "ELSI"	<a href="https://youtu.be/12-QvVorggg">https://youtu.be/12-QvVorggg</a>	ELSI Introductory Video	video_source\transcript	02-TKTGEOS1T116-V007600-12-QvVorggg_en.srt	
8	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture	<a href="https://youtu.be/dMU RWt7hAOM">https://youtu.be/dMU RWt7hAOM</a>	1-1-1. video lecture	video_source\transcript	03-TKTGEOS1T116-V016900-dMURWt7hAOM_en.srt	
11	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture	<a href="https://youtu.be/aaUzpFu68m">https://youtu.be/aaUzpFu68m</a>	2-1-1. video lecture	video_source\transcript	02-TKTGEOS1T116-V013400-aaUzpFu68m_en.srt	
14	Week 2. Plate Tectonics	2-2. Where plates are produced	2-2-1. video lecture	<a href="https://youtu.be/v-LEBtzKMIU">https://youtu.be/v-LEBtzKMIU</a>	2-2-1. video lecture	video_source\transcript	03-TKTGEOS1T116-V013600-v-LEBtzKMIU_en.srt	
17	Week 2. Plate Tectonics	2-3. Plates produced at Atlantic Ocean	2-3-1. video lecture	<a href="https://youtu.be/_gy-77dxeoE">https://youtu.be/_gy-77dxeoE</a>	2-3-1. video lecture	video_source\transcript	05-TKTGEOS1T116-V013500-_gy-77dxeoE_en.srt	

# problem sheet

Directory inside  
text\_source folder

before

Type of  
assessment

index	sectionname	subsectionname	unitname	file_dir	filename	sheet_name	problem_name	problem_type
3	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	Directory of excel file	excel filename	excel sheet name	Q2	
4	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz				Q3	<div>                     droplist                      multiple choice                      fill blank                      checkbox                 </div>
5	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz				Q5	<div>                     - fill_balank                      - multi_choice                      - checkbox                 </div>
9	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture				quiz	
12	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture				Quiz	
15	Week 2. Plate Tectonics	2-2. Where plates are produced	2-2-1. video lecture				Quiz	

after

index	sectionname	subsectionname	unitname	file_dir	filename	sheet_name	problem_name	problem_type
3	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	problem_source	DES_problem.xlsx	intro_quiz2	Q2	multiple_choice
4	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	problem_source	DES_problem.xlsx	intro_quiz3	Q3	fill_blank
5	Week 1. Introduction to the solide Earth	Introduction	Welcome Quiz	problem_source	DES_problem.xlsx	intro_quiz5	Q5	checkbox
9	Week 1. Introduction to the solide Earth	1-1. Actual conditions inside the Earth	1-1-1. video lecture	problem_source	DES_problem.xlsx	week1-1-1	quiz	droplist
12	Week 2. Plate Tectonics	2-1. What are plates?	2-1-1. video lecture	problem_source	DES_problem.xlsx	week2-1-1	Quiz	multiple_choice
15	Week 2. Plate Tectonics	2-2. Where plates are produced	2-2-1. video lecture	problem_source	DES_problem.xlsx	week2-2-1	Quiz	droplist



Built course with Python

# Course\_structure.py

- Python 3
- Test environment: Windows 10
- Dependencies
  - xlrd, xlwt, lxml, pysrt

# Course\_structure.py

**First, create course outline**

- Run in terminal

```
python course_structure.py
```

- Select tasks

```
enter [1-3]  
1.Create course outline  
2.Add course contents  
3.Upload video to Youtube
```

- Type 1 and hit enter

# Course\_structure.py

- Course outline are created in course folder

```
no section: "section01" in course. Add link to course.xml
no section: "section02" in course. Add link to course.xml
added new section: "section01.xml" file at chapter directory
  added new subsection link "subsection01" in section:section01.xml
  added new subsection link "subsection02" in file: section01.xml
added new section: "section01.xml" file at chapter directory
  added new subsection link "subsection03" in file: section02.xml
  added new subsection link "subsection04" in file: section02.xml
  added new subsection link "subsection05" in file: section02.xml
added new section: "section02.xml" file at chapter directory
  added new subsection: "subsection01.xml" file at sequential directory
  added new unit link "unit01" in subsection:subsection01.xml
  added new unit "unit02" in file: subsection01.xml
  added new unit "unit03" in file: subsection01.xml
added new subsection: "subsection01.xml" file at sequential directory
  added new unit "unit04" in file: subsection02.xml
  added new unit "unit05" in file: subsection02.xml
added new subsection: "subsection02.xml" file at sequential directory
  added new unit "unit06" in file: subsection03.xml
  added new unit "unit07" in file: subsection03.xml
added new subsection: "subsection03.xml" file at sequential directory
  added new unit "unit08" in file: subsection04.xml
  added new unit "unit09" in file: subsection04.xml
added new subsection: "subsection04.xml" file at sequential directory
  added new unit "unit10" in file: subsection05.xml
  added new unit "unit11" in file: subsection05.xml
  added new unit "unit12" in file: subsection05.xml
added new subsection: "subsection05.xml" file at sequential directory
added new unit: "unit01.xml" file at vertical directory
added new unit: "unit01.xml" file at vertical directory
added new unit: "unit02.xml" file at vertical directory
added new unit: "unit03.xml" file at vertical directory
added new unit: "unit04.xml" file at vertical directory
added new unit: "unit05.xml" file at vertical directory
added new unit: "unit06.xml" file at vertical directory
added new unit: "unit07.xml" file at vertical directory
added new unit: "unit08.xml" file at vertical directory
added new unit: "unit09.xml" file at vertical directory
added new unit: "unit10.xml" file at vertical directory
added new unit: "unit11.xml" file at vertical directory
added new unit: "unit12.xml" file at vertical directory
```

# Course\_structure.py

**Then, add course material**

- Run in terminal

```
python course_structure.py
```

- Select tasks

```
enter [1-3]  
1.Create course outline  
2.Add course contents  
3.Upload video to Youtube
```

- Type 2 and hit enter

# Course\_structure.py

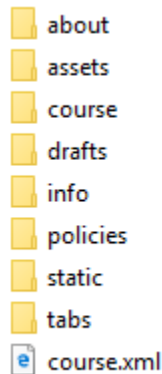
- Type 1 and hit enter
- Course materials are added in course folder
- Ready-to-upload course (tar.gz) is created at..

```
number of question is 1
0
b'<problem display_name="What percentage of global volcanic activity occurs at mid-o
t="False">50%</option><option correct="True">75%</option><option correct="False">100%
16.4
D:\TA tmp\demo\course_builder\workspace
found section: Week 2. Plate Tectonics in the exported course
found subsection: 2-2. Where plates are produced in the exported course
found unit: 2-2-2. Supplement: Dating in the exported course
added text link: text_content16
create a new html component: 2-2-2. Supplement: Dating in the exported course
copy text content: 2-2-2. Supplement: Dating to the exported course
figure sources are all modified
-----
17.5
D:\TA tmp\demo\course_builder\workspace
found section: Week 2. Plate Tectonics in the exported course
found subsection: 2-3. Plates produced at Atlantic Ocean in the exported course
found unit: 2-3-1. video lecture in the exported course
added video link: video17
create a new video: 2-3-1. video lecture in the exported course
-----
18.5
D:\TA tmp\demo\course_builder\workspace
found section: Week 2. Plate Tectonics in the exported course
found subsection: 2-3. Plates produced at Atlantic Ocean in the exported course
found unit: 2-3-2. Supplement: Hot Spots in the exported course
added text link: text_content18
create a new html component: 2-3-2. Supplement: Hot Spots in the exported course
copy text content: 2-3-2. Supplement: Hot Spots to the exported course
figure sources are all modified
-----
19.6
D:\TA tmp\demo\course_builder\workspace
found section: Week 2. Plate Tectonics in the exported course
found subsection: 2-3. Plates produced at Atlantic Ocean in the exported course
found unit: 2-3-3. Supplement: Formation Of The Atlantic Ridge in the exported course
added text link: text_content19
create a new html component: 2-3-3. Supplement: Formation Of The Atlantic Ridge in the
copy text content: 2-3-3. Supplement: Formation Of The Atlantic Ridge to the exported
figure sources are all modified
-----
file is being compressed as tar.gz
uploadable file is created at course/course.tar.gz
```

# Course folder (before/after)

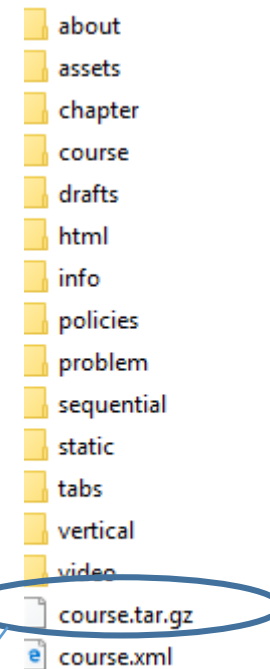
## Before

No-contents course



## After

Contents-added course



Ready-to-upload course

# Import a modified course

Tools

## Course Import

Be sure you want to import a course before continuing. The contents of the imported course will replace the contents of the existing course. **You cannot undo a course import.** Before you proceed, we recommend that you export the current course, so that you have a backup copy of it.

The course that you import must be in a .tar.gz file (that is, a .tar file compressed with GNU Zip). This .tar.gz file must contain a course.xml file. It may also contain other files.

The import process has five stages. During the first two stages, you must stay on this page. You can leave this page after the Unpacking stage has completed. We recommend, however, that you don't make important changes to your course until the import operation has completed.



course.tar.gz

Select a .tar.gz File to Replace Your Course Content



Choose new file

File Chosen: course.tar.gz

Course Import Status



Uploading

Transferring your file to our servers



# Modified course

Content

## Course Outline

[+ New Section](#)[↑ Collapse All Sections](#)[View Live](#)

Course Start Date: Jan 01, 2017 at 00:00 UTC

Course Pacing: Instructor-Paced

▼ Week 1. Introduction to the solide Earth

✓ Released: Jan 01, 2017 at 00:00 UTC

▶ Introduction

✓ Released: Jan 01, 2017 at 00:00 UTC

▶ 1-1. Actual conditions inside the Earth

✓ Released: Jan 01, 2017 at 00:00 UTC

+ New Subsection

▼ Week 2. Plate Tectonics

✓ Released: Jan 01, 2017 at 00:00 UTC

▶ 2-1. What are plates?

✓ Released: Jan 01, 2017 at 00:00 UTC

Creating your course organization

You add sections, subsections, and units directly in the outline.

Create a section, then add subsections and units. Open a unit to add course components.

Reorganizing your course

Drag sections, subsections, and units to new locations in the outline.

[Learn more about the course outline](#)

Setting release dates and grading policies

Select the Configure icon for a section or subsection to set its release date. When you configure a subsection, you can also set the grading policy and due date.

[Learn more about grading policy settings](#)

Changing the content learners see

To publish draft content, select the Publish icon for a section, subsection, or unit.