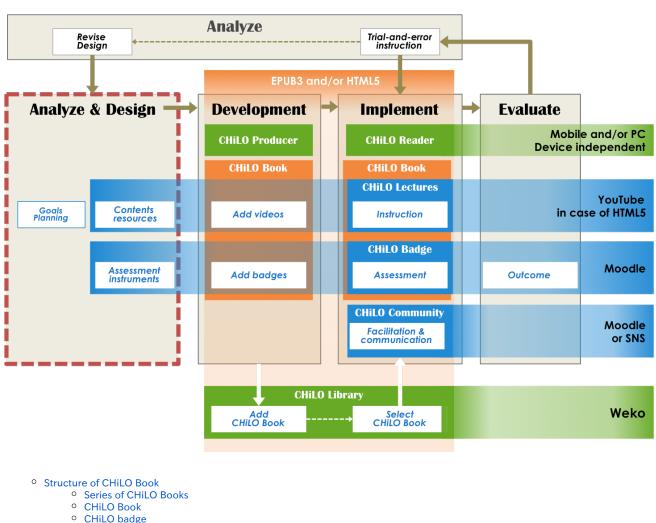
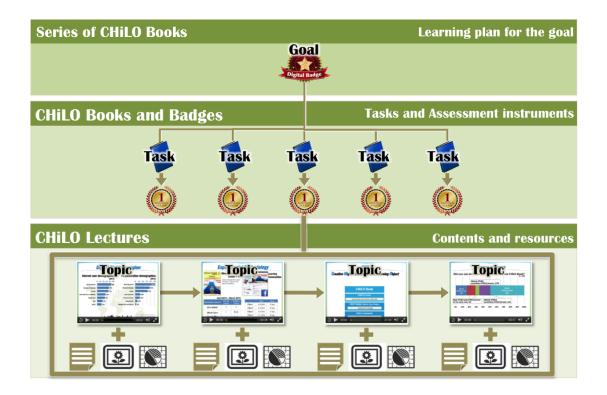
Analyze & Design -Structure of CHiLO Book-



- CHILO badge
 CHILO Lecture
- Examples of CHiLO Lectures

Structure of CHiLO Book

(⇒日本語)



The analysis and design phase determines all goals, lesson planning, goal analysis, content, resources, and assessment instruments.

The content structure of the CHiLO Book is hierarchical, consisting of a series of CHiLO Books, CHiLO badges, and CHiLO lectures.

Series of CHiLO Books

The series are a learning plan set out to achieve learning goals for acquiring specific knowledge or skills, or to develop a particular competency.

CHiLO Book

The CHiLO Book is a learning unit consisting of information and tasks broken down into manageable chunks, in order to best achieve the learning goal of the series. The CHiLO Book contains a CHiLO Lecture and CHiLO Badge as described below.

CHiLO badge

The outcome assessment of a CHiLO Book, which includes CHiLO Lectures, involves the use of CHiLO Badges. This assessment tool directly measures knowledge and learning, rather than linking it to seat time and grades, such as taking tests and/or completing reports. The CHiLO badge assumes the role of a certificate of assessment.

CHiLO Lecture

CHiLO Lectures are learning content from the CHiLO Book, which has been broken down according to each topic. Each topic is explained in a video clip, which is a one-minute nano lecture. This concept originated from an experiment which demonstrated that the viewing time of most online learners is approximately one minute. Furthermore, supplementary descriptions and charts are added to the CHiLO Lecture.

Examples of CHiLO Lectures

- Utilize PowerPoint videos
- Divide lecture videos
- Create using handwritten videos
- Description of audio-visual resources

Create from scratch

Utilize PowerPoint

- 1. Create lecture videos using one slide per topic with PowerPoint. Utilizing animation effects on the slides will make it more effective.
- 2. Explain one slide in about one minute and record the voice. If you document the explanation beforehand, it can be used as the script for the recording.
- 3. Combine the voice with the slide using the video editing function. When there are animation effects, adjust the timing of the image and the voice.



Digital Divide by region



MOOCs are a type of large-scale online course that radically contribute to enhancing opportunities for higher education

Divide lecture videos

- 1. Record the lecture.
- 2. Break the video to each topic.
- 3. Cut out the unnecessary parts and edit the video to approximately one minute.

al differences.

変化をみる 連続量の表 さきほどの、数列の変化と違うのは0と1の間に、まだ数 字があるということです。 xは実数ですから、0と1の間は、べったりつながってお

around the world. However, the MOOC movement has some potential issues that are associated with Digital Divide. The fig-

ure on the left is the rate of Internet users by regions and on the right is PC ownership by region. There are also large region-

For example, in North America, 88% of the population uses the Internet, but in Africa, only 27% of the population uses it. In addition, we see that the ownership rate was over 100% in North America, but only 6% in the Middle East and Africa.



次に連続量の変化を見るということで、 y = x²の変化を 見ることにします。

この場合のxは実数です。

グラフを書いて変化を見たいのですが、グラフを書いて くださいというと忘れたという人がいますが、忘れたと

いうことはあり得ません。

まず、グラフを書くには、その前に、xとyの関係を表に してみる必要があります。

り、1.5もあるし1.2もあるし1.11もあるというように表 では、表しにくいです。



Create using handwritten videos

- 1. Make explanation videos using handwritten documents on tablets. There are many useful apps such as sketch club which enables to record the process of writing the document.
- 2. Record the voice. If you document the explanation beforehand, it can be used as the script for the recording.
- 3. Combine the voice and the prerecorded handwritten document video and edit to create a video of approximately one minute.



三角戦戦はsin x、及びcos xが基本的な関数です。 sin²x とcos²x の和がになります。 sin xのグラフは原点×=x と x=2-rで、0をとります。 また、x= $\pi/2$ とx= $3\pi/2$ で、それぞれ+1と-1をとります。 その間を借らかに繋ぐとy=sin xのグラフを得られます。 y=cos xのグラフは、y=sin xのグラフを戦力间に $\pi/2$ だけ平行移動

Description of audio-visual resources

- 1. Create audio-visual resources.
- 2. Record the voice explaining the audio-visual resources. If you document the explanation beforehand, it can be used as the script for the recording.
- 3. Combine the voice with the audio-visual resources and edit to create a video of approximately one minute.



استگاه فغار شور باماناتو این مکانی که ما الان مستیم قبلاً ایستگاه فغار شهر پاماناتر بوده است که در اطراف آن خلاصهای اطراف آن تخرین شد. بر سوتایی کل ساختمان ایستگاه فغار خراف آن خان تخریف هد. حال ساخت میچاهد که تا بو سال بچگ این ایستگاه به پایان خواهد رسید. از کل میچاهد که تا بو سال بچگ این ایستگاه به پایان خواهد رسید. از کل ساختمانهای ایستگاه و خانهای اطراف آن تقریباً و مان شد. از قانا آن اوران شده بخیر از طرف دیرا مدر بانی مسترد آن وارد شده به شور دواره میخواهد به دیرا برگرد و با خود بسیاری از اشیاه را موارید مل مشتیها و خانها و... بسیاری از مردم که در منازل موقت اسکان داده شده بیند به مرور به خانه های اصلی خود منتقل شده اند. منازل جدید در فاصله ای امن و در مناطق مرتقع سلخته شده اند.

سنطنه ای که تحت تاثیر سیزامی قرار گرفته است به عنوان منطقه معنومه برای ساخت و ساز منازل عنوان شده و برای جلوگیری از خسارتهای احتمالی 2 سیل بند با ارتقاع 7 متر در طبل 300 کیلومتر ساطی با عاصله از یکیوگیر در حال ساخت است و قرار است قاصله بید از اینان سیل بند تا سیل بند دوم بحسرت جنگل در اورده شیر. در نقشه ای که در اختیار داشتند کا منطقه زون بندی شده شد. بود و ساحت و برنامه هر زون نیز مشخص شده بود.

Create from scratch

Create by combining a variety of videos for CHiLO Book.



Can-do1 Exchange Greetings Hello, everyone. Let's start to study Lesson 1. These are the "Can-dos" for Lesson 1.

1. Exchange greetings.

Let's think for a moment before studying. What sorts of greetings do you have in your country? What sorts of greetings are there in Japan? Now let's watch the skit.