alimentarium food museum and its digital learning platforms, a systemic approach

Presentation for Prof. Dietrich Knorr and IUFoST

March 2018

Dr. Ursula Zeller, director
1. alimentarium foundation
mission + vision
more than 30 years ago

Alimentarium
Musée de l'Alimentation
Ernährungsmuseum
Food Museum

1. Project

A Food Museum is to open in Vevey and will bear the name of Alimentarium. It will present the history of food (prehistoric up to the 20th century) from individual and international standpoints. The exhibitions will be based on research. The historical evolution will be presented in its economic and isolated events.

The new institution will become a place of information and research.

Although Switzerland has many science, local, art, archaeology and history museums, there is a lack of museums dealing with everyday subjects, such as clothing, housing and food in the socio-cultural context, and not just more conspicuous as scientific research and history teaching becomes more

Food in particular is presented today on a world level, whether in science museums (without reference to the historical side) or by monographic collections dealing with a simple sort of food (wine, beer, cereals, bread, etc.).

A museum treating both the historical and current aspects of food enables food problems to be analysed while fulfilling an educational function; the presentation of structures and important developments helps to understand the present, which is the product of complicated and diverse historical processes. Such a vividly designed museum will also provide a stimulus for

3. Activity

The Alimentarium undertakes scientific research relating to the history of food and nutrition and didactically presents the results of its work in

The museum shows a collection of items concerning the history of food, in particular storage, preservation and production (artisanal or industrial), by many other museums. A library and documentation are provided as working tools.
The alimentarium foundation explores the multiple facets of food and nutrition with the mission of providing and publishing a global, independent view.
In 2013

To raise awareness, in order to reach out more and make information more accessible the Alimentarium decided to invest in a digital outreach programme
to reach whoever wherever whenever
to become an international reference on human food and nutrition around the world and through the ages with a digitally and physically interconnected public learning platform to share our interdisciplinary expertise with the general public and professionals.
2. alimentarium
the public knowledge centre
Composed of three domains of content and **two** interconnected spaces

**Museum**
- curated content, essence of all

**Learning**
- educational activities and content

**Outreach**
- sharing in-depth knowledge and exchanging experiences with everybody
engaging with different approaches in many ways, for all
a transmedia experience
3. alimentarium academy
A great way to learn, share... and have fun!

on the topics of food, nutrition and digestion.
alimentarium academy ecosystem
differentiated learning resources for different target audiences

https://youtu.be/Y7H2O1kY1R4
5 key topics

- Food and the 5 senses
- Food and nutrients
- Processing food
- The digestive system
- Ecology and food economy

Created in collaboration with experts

UNIVERSITY LECTURERS
Prof. Kristin Verbeke,
Prof. Vincent Barras and
Prof. Christophe Déprés

NUTRITIONIST
Wafa Badran Amstutz

RESEARCHERS AT THE
NESTLÉ RESEARCH CENTER
Dr. Nathalie Martin and
Dr. Axel Syrbe
5 key topics

- Food and the 5 senses
- Food and nutrients
- Processing food
- The digestive system
- Ecology and food economy

Each topic divided in courses and lessons

- The food groups
  - Food sources
  - The geographical origin of food
  - Seasonal produce
  - The food groups
- The nutritional value of food
  - Nutrients
  - The composition of the food groups
  - The role of the food groups
- The role of nutrient
  - The caloric value of nutrients
  - Building
  - Function, maintenance and protection
  - Hydration, circulation and cleansing
- A balanced diet
  - The food pyramid
  - Food equivalence
  - Malnutrition
  - Food cultures
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With videos, quizzes, exercises…
It is overall

- 66 lessons with videos and illustrated scripts
- 124 activities
- 12 fun and challenging games
- 600+ quiz questions
Adapted to 3 target audiences

An opportunity for a real educational partnership
This innovative platform, a perfect mix between theory and practical activities, helps enrich your study programme and make your lessons come alive!

Take advantage of an invaluable tool and find out everything about nutrition

The more you play, the more you learn!
Games, quizzes and challenges make learning fun! Win and collect dozens of badges and show off your best level. Are you ready? Let’s go!
Adapted to 3 target audience

Teacher

Adults

Children
Adapted to 3 target audience

Content to «train the trainer» - with teaching objectives
Choice of pupils age group, to get adapted activities and quiz to do in class

Illustrated scripts  Test the quiz for pupils

Content downloadable as pdf for use in class
+Links to additional resources
Adapted to 3 target audience

Create virtual classes and follow pupils’ progress
Adapted to 3 target audience

View the videos or read their illustrated content out loud.

Embark in interactive activities and answer quiz questions.
Adapted to 3 target audience

View the videos or read their illustrated content out loud

Embark in interactive activities and answer quiz questions

Follow progress and earn badges
Adapted to 3 target audience

Content adapted per age group

Short illustrated content

Some specific videos adapted for the younger.

Developed in collaboration with

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**Borborygmus**

What is borborygmus?

Borborygmus corresponds to the noises caused by gas trapped in the intestines or in the stomach. It is more commonly known as rumbling.

What causes borborygmus?

Borborygmus can be caused by the air we swallow during a meal, or by gas produced as certain kinds of food, such as cabbage and lentils, are broken down.

Some diseases can also cause rumbling. This may happen with colitis, which affects the colon, or with a viral infection, such as gastroenteritis.

Does hunger trigger rumbling?

When we are hungry, the digestive tract prepares itself for digestion. We start salivating and the intestines empty out to make room for the food that is going to arrive. As the digestive tract contracts, it produces sounds, which are more easily heard when the stomach is empty.
Adapted to 3 target audience

Content adapted per age group

Interactivity, progress and Badges!
Adapted to 3 target audience

Content adapted per age group and Games...
...Games
...Games!

Fun to play, with still key learning objectives
Linked to the academy content

On desktop, tablet or smartphones
- In English, French and German
- Aligned with Swiss and French school curriculum
- No log’in required, but creating an account provides additional functionality
- For free
- Not branded
To summarize

alimentarium academy

A great way to learn, share... and have fun!
A great way to learn, share... and have fun!

Welcome to the first online educational platform on the topics of food, nutrition and digestion.

academy.alimentarium.org

alimentarium