

Lesson Plan: 実践英語 - *Classifying the fictitious phylum shoes*

Date: November 18, 2022

Time: 13:50 -14:40

Place: 高1D Classroom

Class overview

Type: school-specific subject (学校設定科目)

Frequency: 1/week

Class: first grade Life Science course students

Number of students: 22

Exam: none

Evaluation: daily work; presentations; quizzes

About this class

Jissen English is a school-specific class for first to third grade Life-science course students. Utilizing teacher-made materials, spans a range of themes and incorporates statistics, history and ethics in addition to biology. First grade students write lab reports of mini-experiments, in addition to studying basic taxonomy. Second year students continue doing experiments, look at statistics and into primate research. Third year students focus on presenting their subject-specific research.

About this Term

During the second term, first grade students have been studying the basics of taxonomy. We have been using *Coral Reefs: Cities of the Ocean* as a guiding text, and have been focusing on the characteristics of Cnidarians and Echinoderms. Recently, students have been working on introducing phyla.

About this Today's class

Today we will be creating a fictitious phylum called 'shoes' and will be creating taxa that organize the 22 'species' of shoes. Students will need to

consider a classification scheme that will group similar shoes. In order to do this, at each taxonomic level students need to develop questions, such as *Does the shoe have laces?*, which will allow for a methodical organization. These questions will become more difficult as the differences between shoes become more nuanced. The criteria students use to organize the shoes will differ, and thus so will their taxonomies. After their organization, students will reflect on their own and their peers' hierarchies.

Time	Activity	Teacher	Students
0-1	Greeting	(pre-class) Pass out printouts to students; - put up poster describing shoe parts - Meditate; greets students.	Meditate; greet.
2-7	Explanation of today's class	Use slideshow to explain the key points of the activity: - the goal is to organize the shoes into a taxonomic framework - use questions at each level to determine where each shoe falls; provide an example of this - to simplify and ensure students progress quickly, limit the number of <i>classes</i> to 3	Listen to instruction.
7-12	Setup: move desks	Create a U shape; put papers denoting the species in the middle and place shoes on those papers. Take a photo of each boot	Move desks and help put shoes on papers; don't worry about placing shoes in an organized fashion
12-37	Classification activity	Support students as needed; ensure students are writing questions	Walk around the 'U' shape; consider the scope of the 'shoe' species and develop questions that will facilitate classification of the shoes.
37-40	Setup	Return desks to their original position.	Return desks to their original position.
40-50	Compare and consider	Encourage students to look at one another's papers Pass out writing papers and instruct students on how to explain their classification scheme.	Share their questions with one another; write their classification scheme. Submit work.