



Science Sauce Online

A source for free flipped learning lessons

Flipped learning reverses the traditional classroom process of “learn it in school, practice at home”. Flipped learning involves students learning new content at home through a video, reading, listening or other activity. They then come to class with the foundation knowledge, ready to really engage with the topic. This is a flipped learning lesson with self-study materials and suggested class activities.

Resources for this lesson, including the student tasks, can be found at:

ScienceSauceOnline.com

Enter lesson code:

01302

Lesson Topic:

PATHOGENS AND TRANSMISSION

Age: 14-16

Self study input method: Video

Self study task: Question sheet

Classwork prep time: Near zero

STUDENT PRE-CLASS TASK

- Watch the video: “Pathogens and Transmission”.
- Answer the questions on the student homework task sheet.

IN-CLASS TASKS

POLICY CREATION: A new hotel is opening in the area. Create the hygiene section of the health and safety policy detailing the measures the hotel must take to minimize the chance of pathogen transmission. **See student information sheet.**

Time (mins)	Students...	Teacher...
2	In groups of about 4 or 5, review answers to the homework task.	Monitors.
3	Review answers (and make corrections if necessary).	Gives answers to the student task sheet.
2	Listen to instructions.	Sets the task.
5	In groups of 2 or 3, brainstorm ideas as to what must be included in the policy.	Monitors and gives guidance/feedback.
30	Individually, create the health and safety policy.	Monitors and gives guidance/feedback.
10	Plenary: Write a multiple-choice question involving two pathogens and/or disease transmission. Ask the question to other students in the room.	Takes turns answering some of the questions. Asks own question(s) to the students.

ANSWERS TO STUDENT TASK

Answers to the student task sheet will be relatively obvious for subject teachers, and can all be found by reviewing the student self-study resources.

Answers are not published here, as these sheets are easily accessible by students. If you need clarification on any of the questions please feel free to email me and I'll get back to you ASAP.

contact@sciencesauceonline.com