Content Type

Tutorial videos are generally brief (5–10 min) and examine one specific topic in a particular discipline. Examples include 21st century learning, motivation and learning, assessment, or teaching methods. Tutorials define the topic, provide examples, and draw upon latest research and practice. Tutorials can be assigned as homework to be viewed outside of classroom, or, because of their brief nature, can easily be incorporated into a lecture. Instructors can create quizzes from tutorials to assess students’ knowledge. They can also serve as great launching pads for exciting classroom discussion and interesting assignments.

Designing Rubrics for Project Based Learning
http://sk.sagepub.com/video/designing-rubrics-for-project-based-learning

In this tutorial, Dr. Jean Lee, assistant professor at University of Indianapolis, introduces how teachers can use rubrics to assess and instruct their students in project-based learning units. Project-based learning (PBL) is a systematic teaching method in which teachers involve students in real life learning, using problems from the community. This tutorial provides examples of how to design a rubric for a PBL unit that assesses not only students’ content knowledge but also 21st century skills—such as the ability to communicate and represent problems or collaborate with others—so that these skills become easier to assess. She discusses the importance of a holistic rubric and how to create one. Crystal Collier, a practicing high school mathematics teacher, shares a rubric she used in her project-based learning unit, which supported the students to shape their projects based on clear and objective reasoning while allowing for the instructor to express expectations in a concise way.

Suggested Courses or Topics

This tutorial can be used in nearly any teacher preparation course where students are learning how to design rubrics that include assessing 21st century skills in addition to assessing students’ content knowledge. Course examples might include:

- elementary methods,
- secondary methods,
- problem-based learning, and
- inquiry-based learning.

Specific to the SAGE taxonomy of education, suggested topics are as follows:

- 21st century learning,
- motivation & learning,
- secondary assessment, and
- high school teaching methods.

Classroom Clips

Listed below are a few examples of clips that focus on key concepts:

- Elements of designing a project-based learning rubric. Clip 1:28 – 4:05.
- Crystal’s project-based learning rubric. Clip 4:16 – 7:03.
- Case study. Clip 7:04 – 10:01.

Research Assignment

See below for an example assignment that you might use for students

Research the differences and similarities of an analytic rubric versus a holistic rubric. What are the affordances and constraints in creating such rubrics (Clip 1:16 – 1:57)? In this clip, Dr. Lee shares elements of designing a good project-based learning rubric (Clip 1:28 – 4:05) and teacher Crystal Collier shares her project-based learning rubric (Clip 4:16 – 7:03). Think about a project that (1) you were required to do in primary schooling (grades K-12) and (2) you want to do in the future as a teacher. What content learning and 21st century skills will you assess? Create holistic rubrics for these projects.

Classroom Discussion

Here is an example question that might be used for in-class discussion.

Dr. Lee discusses elements of designing a project-based learning rubric (Clip 1:28 – 4:05). What are these essential elements? What other attributes might you include? Teacher Crystal Collier also shares her project-based learning rubric (Clip 4:16 – 7:03). What 21st century skills does Crystal assess in her project-based learning unit?
SAGE video
Bringing teaching, learning and research to life

Education
Teaching with Tutorial Video
Content Type

Tutorial videos are generally brief (5–10 min) and examine one specific topic in a particular discipline. Examples include 21st century learning, motivation and learning, post-modern theories of learning, or high school teaching methods. Tutorials define the topic, provide examples, and draw upon latest research and practice. Tutorials can be assigned as homework to be viewed outside of classroom, or, because of their brief nature, can easily be incorporated into a lecture. Instructors can create quizzes from tutorials to assess students’ knowledge. They can also serve as great launching pads for exciting classroom discussion and interesting assignments.

Preparing a Unit for Project Based Learning

http://sk.sagepub.com/video/preparing-a-unit-for-project-based-learning

In this tutorial, Dr. Jean Lee, assistant professor at University of Indianapolis, introduces project-based learning and discusses how to prepare any unit as a project-based learning unit. Project-based learning is a systematic teaching method in which teachers involve students in real life learning, using problems from the community. She discusses two crucial components, driving question and entry event, of project-based learning. These two elements help drive students’ learning and make their learning authentic and relevant. Crystal Collier, a practicing high school mathematics teacher, provides examples of these components in a project-based learning unit to make students’ learning authentic and relevant to their lives.

Suggested Courses or Topics

This tutorial can be used in nearly any teacher preparation course where students are learning how to make learning authentic and relevant to students’ lives. Course examples might include:

- elementary methods,
- secondary methods,
- problem-based learning, and
- inquiry-based learning.

Specific to the SAGE taxonomy of education, suggested topics are as follows:

- 21st century learning,
- motivation & learning,
- post-modern theories of learning, and
- high school teaching methods.

Classroom Clips

Listed below are a few examples of clips that focus on key concepts:

- Elements of a driving question and examples. Clip 1:03 – 3:50.
- Crystal’s driving question and entry event. Clip 5:29 – 11:54.

Research Assignment

See below for an example assignment that you might use for students

Dr. Lee shares some example driving questions and discusses three elements in a good driving question (Clip 1:03 – 3:50). She also reviews five things an entry event accomplishes (Clip 4:08 – 5:22). Think about a project that (1) you were required to do in primary schooling (grades K-12) and (2) you want to do in the future as a teacher. What content learning will take place? Create a driving question and entry event for those projects. Justify how the driving questions and entry events engage students in authentic learning.

Classroom Discussion

Here is an example question that might be used for in-class discussion.

Dr. Lee discusses three elements in a good driving question (Clip 1:03 – 3:50). She also reviews five things an entry event accomplishes (Clip 4:08 – 5:22). What other criteria might be included when designing a driving question and entry event?