

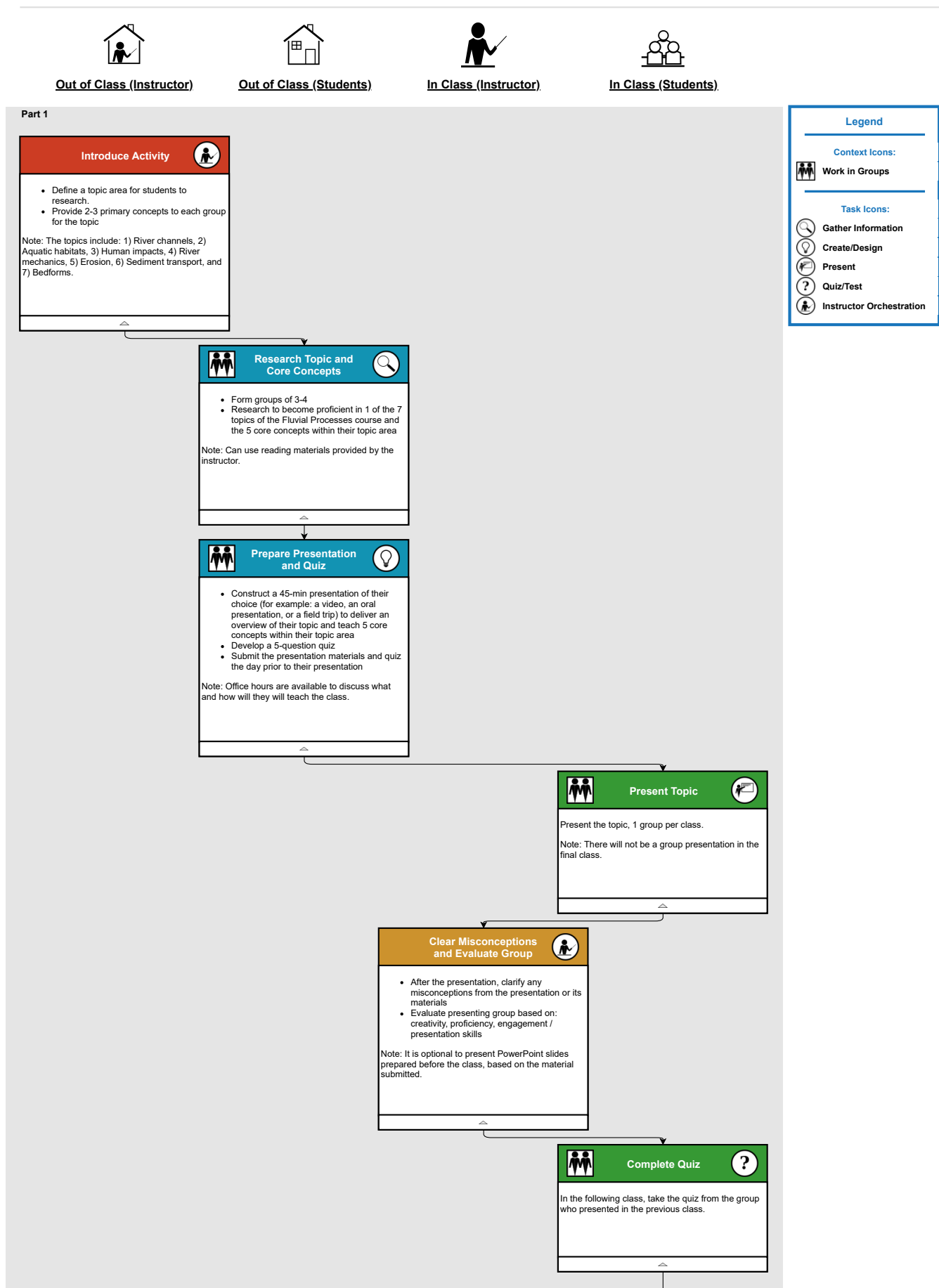
# Jigsaw Geography Presentation

By Jamie Miller


## Description:

In this semester-long activity, student groups teach the class 5 core concepts of each of 7 topics in the Fluvial Processes course.

They will analyze a particular topic and be able to effectively communicate and engage in higher-level conversations regarding the selected topic area. See a full description [here](#).





Repeat for each class of the semester

 **Introduce Activity**



- Define a topic area for students to research.
- Provide 2-3 primary concepts to each group for the topic

Note: The topics include: 1) River channels, 2) Aquatic habitats, 3) Human impacts, 4) River mechanics, 5) Erosion, 6) Sediment transport, and 7) Bedforms.

 **Research Topic and Core Concepts** 



- Form groups of 3-4
- Research to become proficient in 1 of the 7 topics of the Fluvial Processes course and the 5 core concepts within their topic area

Note: Can use reading materials provided by the instructor.

 **Prepare Presentation and Quiz** 


- Construct a 45-min presentation of their choice (for example: a video, an oral presentation, or a field trip) to deliver an overview of their topic and teach 5 core concepts within their topic area
- Develop a 5-question quiz
- Submit the presentation materials and quiz the day prior to their presentation

Note: Office hours are available to discuss what and how will they will teach the class.

 **Present Topic** 



Present the topic, 1 group per class.

Note: There will not be a group presentation in the final class.

**Clear Misconceptions and Evaluate Group** 

- After the presentation, clarify any misconceptions from the presentation or its materials
- Evaluate presenting group based on: creativity, proficiency, engagement / presentation skills

Note: It is optional to present PowerPoint slides prepared before the class, based on the material submitted.

 **Complete Quiz** 

In the following class, take the quiz from the group who presented in the previous class.