Stereochemistry Activity

By Alice Cherestes

Description:

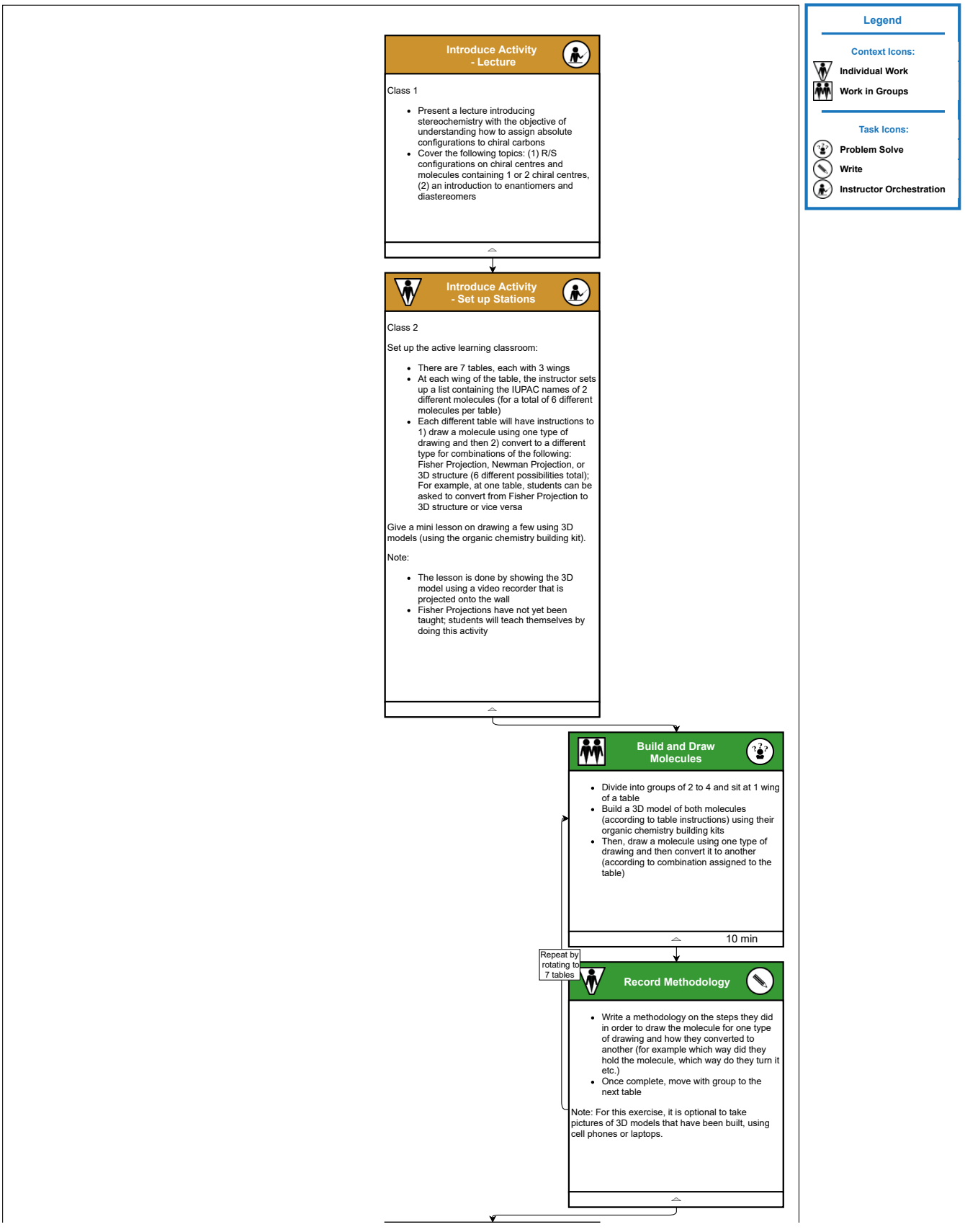
In this multiple-class activity, students practice converting organic molecules from a 3D model to a 2D drawing. They will develop a method for interconverting structural representations, learn different types of structural representations, and understand the relationships between different stereoisomers. See a full description here.

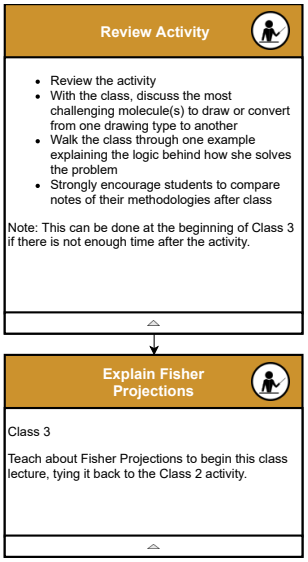
Out of Class (Instructor)

Out of Class (Students)

In Class (Instructor)

In Class (Students)




Review Activity
Review the activity
With the class, discuss the most challenging molecule(s) to draw or convert from one drawing type to another
Walk the class through one example explaining the logic behind how she solves the problem
Strongly encourage students to compare notes of their methodologies after class
Note: This can be done at the beginning of Class 3 if there is not enough time after the activity.
Explain Fisher Projections
Class 3
Teach about Fisher Projections to begin this class lecture, tying it back to the Class 2 activity.