



Evolution of Land Plants, PowerPoint and Plant Jeopardy

Using a self guided PowerPoint and jeopardy game to understand the evolution of land plants

Overview and Rationale:

Students will be able to understand and distinguishing between the four main land plant groups (bryophyte, seedless vascular plants, gymnosperms, and angiosperms). In order to best understand the evolution of land plants, students will

1. Use a self directed PowerPoint for homework to study the differences between the four main groups and the adaptations that make them different.
2. Test their understanding by playing jeopardy the next day on the information in their homework PowerPoint.

Lesson Components:

Homework: Students will use the KenBatemanPlantDiversity PowerPoint to study the evolution of land plants. The PowerPoint is interactive in a sense that the students cannot scroll through the slides. They must follow the hyperlinks to discover the differences between the plant groups. The PowerPoint was created to be a substitute for the evolution of land plant chapters in a textbook.

60 minutes: Plant jeopardy

Students will use their knowledge from previous night's homework to play the KenBatemanPlantJeopardy game in groups of 2 or 3. Each team will take a turn at selecting a question and answering it. Points will be awarded for each correct answer, and a quiz grade will be given based on the number of correct answers. The jeopardy game can be used to stimulate discussion about each question that is asked.

These Internet resources may be useful in preparing for the lesson:

University of Wisconsin Plant Teaching Photograph Collection

<http://botit.botany.wisc.edu/index.html>

Dr. Michael Gregory's Biology Web

<http://faculty.clintoncc.suny.edu/faculty/michael.gregory/>

eplant science website, a botanical encyclopedia

<http://www.eplantscience.com/>