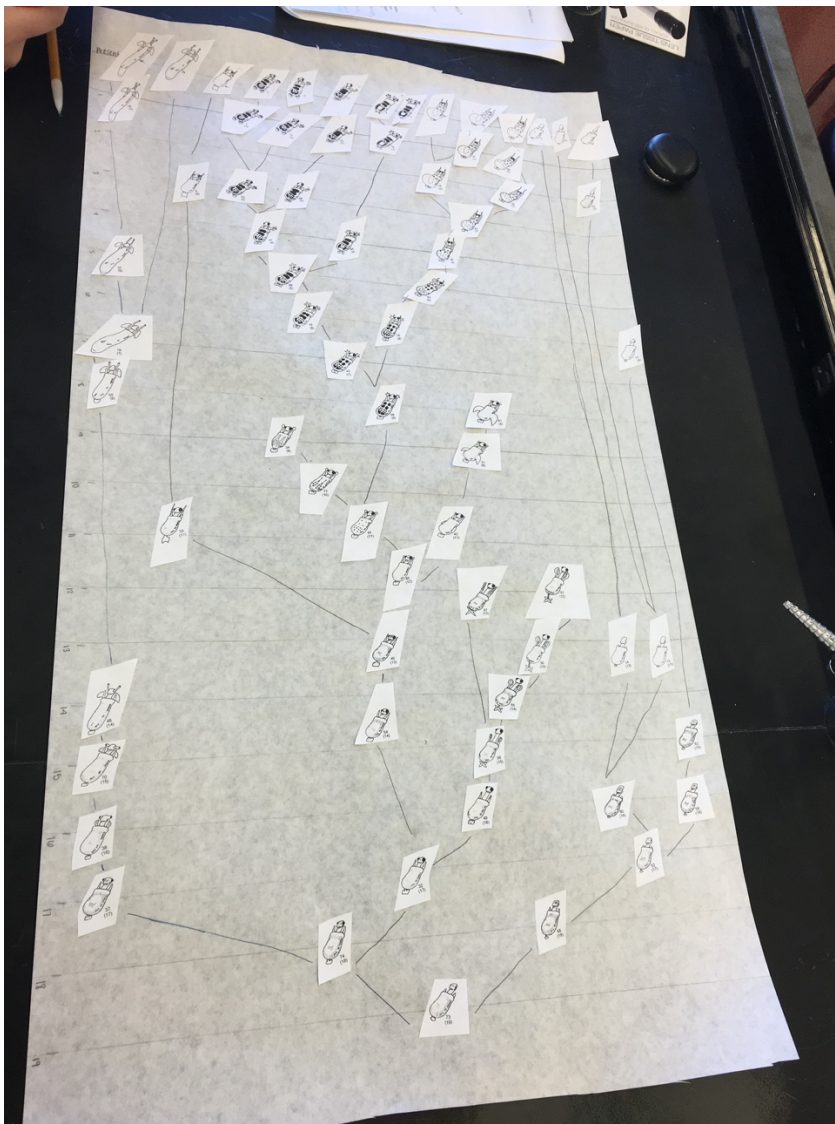


Lesson Plan Template

Students will work together in lab groups to construct their own phylogenetic tree with pretend organisms printed on paper. I will provide the position/organism that is the common ancestor and the modern organisms. Students will sort through the organisms, analyzing the importance of the similar and different structures they have and placing them in an order that shows how the organisms have changed over time. During this time, I will be walking around the room to listen and watch students' progress, answer questions, and ask formative questions.

Here is an image of what the completed phylogenetic tree may look like. I would edit it to make it simpler (with less organisms) and possibly shorten the amount of time (seen on the y axis).



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Review (wrap up and transition to next activity):

After the students have completed their phylogenetic trees, we will discuss what they were supposed to look like and why. We will tie together important vocab such as homologous and vestigial structures. We will also talk about how this relates to modern organisms and modern fossils.

Lesson Plan Template

Formative Assessment: (linked to objectives)

Progress monitoring throughout lesson- clarifying questions, check-in strategies, etc.

I will be walking around the room to ask questions and redirect learning.

Consideration for Back-up Plan:

If students are struggling to move forward in the phylogenetic "puzzle" I may combine groups, or we could do a portion of it together as a large group discussion.

Summative Assessment (linked back to objectives)

End of lesson:

Students will turn in their phylogenetic tree and explain the process that they used to create it.

If applicable- overall unit, chapter, concept, etc.:

Reflection (What went well? What did the students learn? How do you know? What changes would you make?):