

Ecological Studies Who Lives Here?

Game Plan begins in Sept. & ends Oct. + includes classification, use of guidebooks, ecological terminology, observation, use of microscopes, drawing, making a guidebook

Students will work in triads to mark out a 3 meter by 3 meter area (may also include going into the ground) the challenge is to identify everything within that area. They will need to draw it they will mark off an area (1 m x 1 m) within the larger space for a micro-look at the inhabitants they will need to select a few things for drawing (leaves, club moss etc. small things that they will make larger pictures of) may photograph it in addition to draw written description

need: string, meter sticks, pegs/ sticks for corners, journals/ paper, lenses

1. Selected readings and discussion from A View from the Oak
2. Intro to the site, a walkabout at Applewoods. Discussion about what questions a naturalist, an ecologist, etc would have. Site work goes on while the classroom work is fit into the field schedule.

- 2A. Bedroom map homework over two nights.

3. Discuss field guides, purpose and layout. Use Field Guides Made Easy. Part 1, a & b

A Field-Guide to Yourself Homework given for Tues-Fri.

4. EDAK # 4 + #6 Ecology Discovery Activities Kit . Ecovocab pps 15- 17 do in class. tied too to week's vocab.

- [5. What need to survive p 29 EDAK in class & discuss MAYBE. IF ACTIVITY HELPFUL/ NEEDED]

6. EDAK p 32 Living & Nonliving parts of environ. Biotic and abiotic. Do in class, whole class.

- [7. EDAK pps 40 -42 Living & Nonliving parts of environ.

MAYBE. IF ACTIVITY HELPFUL/ NEEDED. Use overhead.]

8. EDAK pps 45 -50 Counting populations. In class lesson.
THEN Inventory, define.
Homework, inventory desk/dresser
 - [9. EDAK pps 54 - 55 Overpopulation experiment.
MAYBE. IF ACTIVITY HELPFUL/ NEEDED.]
 10. Line graph quiz - now or later
 11. Lots of field work
 12. Miliken classification text
 13. Addison Wesley text on cell structure pps. 18 - 24,
questions 1 - 3 on p 25. [plant & animal cells]
pps 26 - 28, cell activities. questions 1 - 3 on 29

pps 40 - 44 fungi questions 1 - 3 p 45
pps 46 - 50 protists “ 1 - 3 p 51
pps 52 - 56 moneran + p 58 “ 1 - 3 p 57
see test “w/out mitosis”
 14. Lots of field work
- Conclude with A View from the Oak, last chapter.

Classification

Classification study

Miliken text: pp 1 & 2 What is & Why

pp 4 - 7 outward signs, internal structure, living things, crossword
Spatial Creatures, Squiggles, Tiggles, & Snares

p 6&7 Discov. Logic

pps 8 - 14 animal kingdom, vert & invert

pps 15 - 19 plant, fungi, monera, protista,

pp 20 review. And look at chart. Put into tree map format.

p 22 hist of classif and What's in a name

p 23 - 24 Taxonomy & genus species

