

water resource

DEAR TEACHERS: For those of you who were able to attend our workshop - thanks for coming! We enjoy sharing our program with you and learning a little more about your students. This handout will hopefully aid you in preparing your students for their day on the river at Collins. We find that many neat experiments are more suitable for the classroom than during our day at outdoor school and having students do them ahead of time helps to clarify concepts that are not easily visualized in the field at first look. Any activities that you can facilitate ahead of camp are greatly appreciated. Also... if you can think of any special ways you can assist the program, let me know! *chickouy*

* Have students work in their preparation workbooks (revised!)

EMPHASIZE: vocabulary
water cycle
water shed
cubic feet - understanding volumes

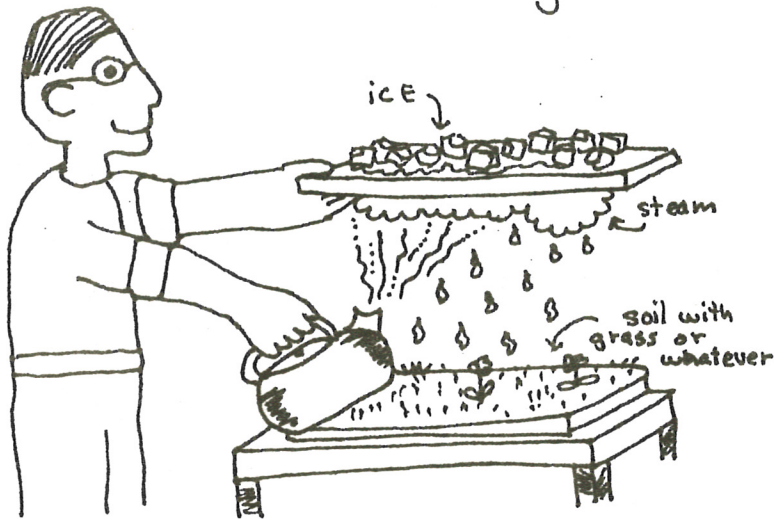
* Try to figure out the "properties" of water and visualize with experimentation.

WATER: comes in three "states": solid, liquid, vapor
can change states easily
heats up and cools down more slowly than air or soil
is clear without color, taste, or smell
flows down hill because of gravity
is considered a universal solvent
has surface tension
feels wet
takes the shape of whatever you put it in
is displaced by objects placed in it

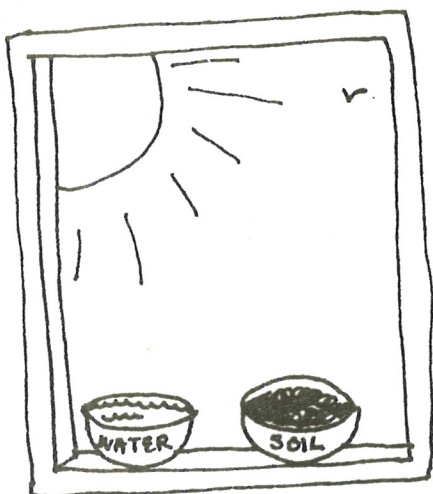
* Identify any special needs or interests your students have, and help us plan for them by letting us know in advance. Tag students might do library research in school and want to follow it up at the site, or have a special program prepared for them. It is also helpful to be aware of physical handicaps and learning disabilities in advance to prepare activities or train J.C.'s and S.C.'s. Thanks for any information on your students.

HERE are some ideas for experiments - Try the students' science books too - or make up your own!

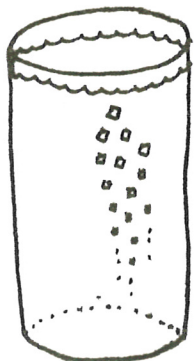
demonstrate the H₂O Cycle and rain making



what provides the energy for the water cycle?
 why did it rain? what happens to the water after it rains?

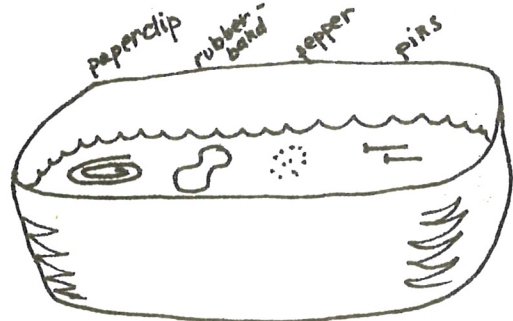


take the temperatures of soil & H₂O several times during the day and compare changes in each. what happens if you have wet soil instead of dry?

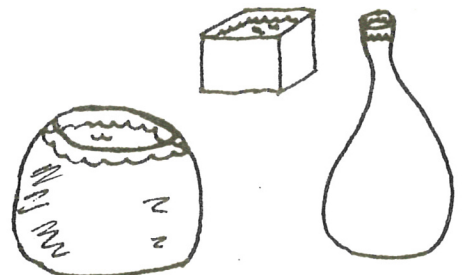


Dissolve salt or sugar then sit in the sun or boil till H₂O evaporates. Any salt left? why? How much salt can you put in water and still have it dissolve?

what is surface tension?



try to float different items - why do they float? Add soap - does it affect surface tension? Have a contest to see who can float the heaviest or most unusual item.



watch water change shapes or be displaced by objects placed in it.

