

Dear Principals,

It is probably time for your next faculty meeting so I am offering you some suggestions on how to study the real science program in your school. At your meeting find time for the science coordinator to address the group on some, some aspects of the enclosed Science Coordinators' role description. The coordinator should choose those aspects of science (lab, time, texts...) that pertain to your school.



Science
Coordinators.pdf (36 K...

- ✓ Fill in the **curriculum map**– month by month – and ask teachers to fill in under October what topics they *taught this month*. *This way you will see at year's end what required core topics are indeed taught, what topics are taught over and over and over again and what topics are never/hardly ever addressed. Note: The curriculum map was sent last month.*
- ✓ **Discussion:** *Talk about one way you helped the students this month learn science in an active and observant way?* This discussion will help more and more of your teachers to move beyond science as reading to science as living and learning.



Show and Tell Time

And How are You Using Those Microscopes in your Science Lessons?"

1. Observing the differences of the crystals in rocks:
2. Use an onion skin or a sliver of cork to study cells
3. Observe yeast cells
4. Identify a paramecium and an amoeba cell, algae, observe cheek cells
5. Observe microscopic organisms in a drop of pond water
6. Observe reproduction in single celled organisms

7. Observe and compare the organelles of plant and animal cells
8. Observe the parts of a flower
9. Observe the effects of osmosis in living things
10. Observe and describe bacteria
11. Compare and contrast meiosis and mitosis
12. Study the sexual and asexual generations of a moss plant and a fern plant

13. Identify and describe parts of a beef bone
14. Observe and identify parts of a skeletal muscle and describe how the

muscle is attached to the bone
15. Observe and describe how tissues differ

Notes:

- ✓ These are just some of the ways you should be using your microscopes in the midst of your teaching.
- ✓ Students in Grades 5 – 8 should be using the microscopes. They are not just for Grade 8.
- ✓ Slides can be purchased from the different science materials companies whose catalogs are legion. Your textbook company also has 'slides' for sale. Use your county money for the needed slides.
- ✓ Your friendly and neighborly high schools even might have extra slides for you to keep or borrow – so ask.

Until next month this is this month's focus on your real science program.

Sister Sheila Conley