Syllabus: Integrated Science 7

Seventh grade integrated science expands on K-6 science, in three subject areas:

1. Life science
2. Physical science
3. Earth science
4. Scientific Inquiry is not a separate or stand-alone subject area; instead, it is an embedded skill practiced throughout the school year.

All subject matter will be taught according to Dodea Standards which can be found at:

http://www.dodea.edu/curriculum/science.cfm?cId=stn&stndId=sci

It should be understood that the text books are not the curriculum. The curriculum is designed by the teacher in accordance with the Dodea standards. We will be using three different texts, the red, green, and blue Glencoe which can be found by going into the studentôs gaggle account and clicking on ñportal linksò at the bottom left of the screen and select the desired book for the listing provided.

There are several documents your digital locker you need to read and place in your science notebook. They are all self-explanatory. By the time you read this document, everything will likely have been transferred to blackboard to which you will then be given access and the digital locker will no longer be used.

QUARTER 1: Because life science and the human body are so inextricably entwined, I feel we cannot even begin to do justice to the topic without first understanding some chemistry. Therefore, we will start the school year with the topic listed last in the standards, *The Chemical Nature of Matter.* We will spend the first quarter and part of the second quarter learning about the atom and atomic structure of matter in accordance with Standards 7Se.

QUARTER 2: The rest of second quarter and part of third quarter will be spent dealing with cells and heredity in accordance with standards 7Sb.

QUARTER 3 & FOUR: The remaining part of quarter three and quarter four will be spent learning about *The Human Body System and Ecology.* Please do remember that these sciences are interwoven in nature and so will overlap and dovetail as we proceed throughout the year. For example, some aspects of cells will be covered when we deal with digestion and some aspects of digestion may be covered when we deal with cells. Then there is the aspect of respiration when we breathe in and out and how it affects cellular respiration. Then, of course, we have to deal with respiration when we deal with photosynthesis. So, while we may be discussing or studying under one particular topic at any given time, all these topics are sources for discussion at any time when the teacher sees an opportunity to tie them together, make the connection, or build on prior knowledge.

It has been my intention to build a library of lessons stored in the studentsô digital lockers where they can go to reinforce classroom discussions/lessons and or pickup on missed classes. This has not been too successful in light of the fact that audio files are too large for the digital locker, and Iôve had repeated unexplained expulsion of documents from the studentsô digital lockers. This will, hopefully, be rectified with our new blackboard site.

Supplements to this syllabusð such as grading policy, homework policyð can be found in the studentsô digital locker under the title ñMr. Tuckerôs Class Handoutsò. These should be posted in the studentôs notebook in accordance with the therein contained instructions.