

# 8-8 EXPECTATIONS

*Quo Fata*

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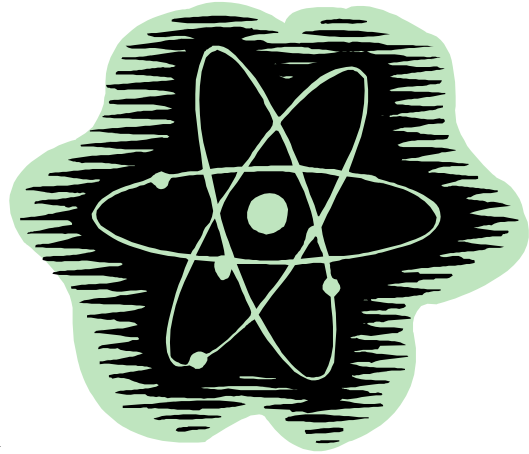
*Social Studies industrializes*  
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## Science is off to a running start!

The second quarter in science brought many challenges for the students. The scientist books that the eighth graders wrote were beautifully done and could be sold in Barnes & Noble Bookstores. Please stop by the media center next time you are at Peacock and read some of the books written by the eighth graders. Students were given the challenge of researching a specific technology; SEM/EDX, carbon dating, and discovering how the practical applications of these technologies are possible because of the structure of the atom. They then placed their information on a computer program called Director. Students also learned the parts of the atom and the atomic theory's throughout the ages.

A second challenging project that the students researched was the electron configuration of a specific element. Each student was assigned an element and using the computer program Crystal 3D they made a model of the structure of that element. This was then rendered into a movie so that the electrons move around the nucleus of the atom. Each element was then printed in color and put together into "A Quilt of Life".

Students also learned the importance of the periodic table and how scientists from around the world can speak the same language. Students learned how classification can be applied to everyday objects. This prepared them for the importance of how the periodic table is classified. Each student received a copy of the periodic table where they wrote oxidation numbers, groups, periods, and metals and nonmetals.



Led Zeppelin's *Stairway to Heaven* was played to emphasize the fact that all elements to the left of the zigzag line, the stairway, are metals and elements to the right are nonmetals. Students learned what a mole is when applied to chemistry. As an extra credit project students can make a mole and name it. The name of the mole must have the word "mole" in it, such as "Mole"erina or Tootsie"mole", and it must be dressed as its name describes. This project will not be due until after spring break to allow students the time necessary to sew their moles.

Finally, with the scientist books completed the students were videotaped as that scientist in a "talk show" format. Five to six scientists at a time told about their life experiences and the discovery that helped shape our world. Each scientist also had a chance to ask the other scientists on the dais questions about their discoveries.