Lesson plans and suggestions for using

The Head Bone’s Connected to the Neck Bone:
The Weird, Wacky, and Wonderful X-ray

By

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• Egypt-pages 95-99. Discuss various aspects of ancient Egypt, contrast and compare diet of ancient Egypt and today, dental health of ancient societies, pharaohs, mummification and the reasons for it, why using X-rays is a good way to study artifacts from the past.

• Dr. Wilhelm Conrad Roentgen-pages 5-19. Could be used in units discussing discoveries and inventors, compare and contrast Dr. Roentgen’s refusal to profit from his discovery to the attitude of today’s scientists, talk about his method of hypothesis and experimentation, write a paper about what it must have been like to be the first person to see your own bones.

• The world’s reaction to the discovery of X-rays-pages 20-31. Compare and contrast the media coverage in the past to today, compare and contrast a photographic camera to an X-ray machine, write a story about a new use for X-rays.

• Dental health-pages 27, 98-99, 106-108. Show photo of early dental films and describe how they are different from today, write a paper about why it is important to go to the dentist for a check up and X-rays, look at the X-rays of the pharaoh to notice their dental health and talk about the influence of diet on dental health, compare good dental health to poor dental health by comparing films on page 108, discuss why kids wear braces.

• Art-pages 83-89. To compare art today to art hundreds of years ago, why people would forge a great master’s painting, how sculpture and painting differ.

• paleontology-page 99-101. Discuss how dinosaur fossils are found and why they are important, write a paper about what the purpose of a crest could have been, discuss how CT images helped learn more about them, look up the following web site to hear a computer generated sound scientists believe the Parasaurolophus may have made

http://www.nmnaturalhistory.org/sci_parasaur.html

• Titanic-pages 101-102. Discuss disasters and how they affect people, talk about how artifacts are recovered from the ocean, write a paper about whether or not you would want to see an exhibit of artifacts from a sunken ship, write a paper about a traveler who boarded the Titanic after hearing the whistle, log onto the web site to hear the whistle at

http://www.titanic-itanic.com/titanic_whistles.shtml
Additional subjects that could be incorporated into classroom by using 
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- anatomy
- medical practices of the past
- cancer treatment
- radiation
- women in medicine
- birth defects
- dentistry
- art
- music
- mummies/Egypt
- dinosaurs/paleontology
- veterinary medicine
- NASA/space exploration
- Thomas Edison
- World War I
- Germany