



Uses of TimeLiner™ in the Classroom

Mathematics

Exponents

Create a custom time line to show the powers of a number. For example, for the powers of 2, put 1, 2, 4, 8, 16, 32... in the When? fields and put 0th power, 1st power, 2nd power, 3rd power and so on in the What? fields. This time line will illustrate exponential growth.

Sequences

Create a custom time line to show certain famous sequences. For example, have students illustrate the Fibonacci sequence by putting the numbers 1, 1, 2, 3, 5, 8, 13, 21... in the When? fields and putting 1st term, 2nd term, 3rd term and so on in the What fields. Students can illustrate the time line by inserting pictures of examples of the Fibonacci sequence in nature. (See <http://www.mcs.surrey.ac.uk/Personal/R.Knott/Fibonacci/fibnat.html> for ideas.)

Famous Mathematicians

Create a time line showing the dates of famous mathematicians throughout the years. Illustrate with pictures of the mathematicians and the mathematical objects they discovered or researched. (See <http://scienceworld.wolfram.com/biography/topics/Mathematicians.html> for biographies of Mathematicians.)

The Life of a Mathematician

Create a timeline showing the important events in the lifetime of a single mathematician.

Social Studies

A Day in My Life

Have students create a time line of the events of their day. Have them include times that they wake up, go to school, go home, eat meals, go to sleep and so on. Extend the project by having the students create a time line of a week.

My Life

Students can create a history of their own lives using TimeLiner™. They can include major events in their lives: birthdays, first day of school, when they learned to walk and talk, birth of siblings, acquisition of pets and so on.

A Day in the Life of a Child in _____

Fill in the blank with a different country, culture or time period. For example, students could create a time line of the day in the life of a child in Colonial America or a day in the life of a child in China.

Holidays

Students create a timeline with the dates of the holidays in the current year. Students can include local holidays as well as holidays from different cultures. (See <http://www.holidays.net/> for information on holidays).

Science

Distance of Planets from the Sun

Create a custom timeline with miles as the units of measurement. For more advanced students, use Astronomical Units as the unit of measurement. Insert the planets at the appropriate distance from the sun. For information on the planets see <http://pds.jpl.nasa.gov/planets/welcome.htm>.

Stages in the Life of a Frog

Create a time line showing the stages in the development of a frog from tadpole to frog. Include pictures of a classroom project or from the Internet.

Geologic History

Students create a timeline showing the geological eras of our planet. They can include the events that characterize each era.

Cell Division

Create a time line showing the phases of mitosis. Students can illustrate each phase using their own drawings that they have scanned in or from pictures from the internet. See

http://www.biology.arizona.edu/cell_bio/tutorials/cell_cycle/cells3.html for more information on mitosis including pictures.

Reading and Language Arts

Plot Summary

Students can keep track of the events in a story or novel they are reading by creating a timeline of the major plot points.

Steps in Writing a Term Paper

Students can create a schedule for the major tasks involved in writing a term paper. As they complete certain tasks, they illustrate their time line with some of their accomplishments.

Time Line of Authors

Students can create a time line containing the dates of the authors they are studying in their English class. Alternatively, students can create a timeline of a single author showing the dates of the major works.

Arts and Music

Major Artistic Developments

Students can create a timeline showing developments and trends in art and or music. They can include famous artists or musicians as well as inventions and developments that affected the artistic and musical worlds.

Instruments

Create a timeline showing the invention of musical instruments. Illustrate with pictures of the instruments. See

<http://plato.acadiau.ca/courses/musi/Callon/2273/Instr.htm> for information on the history of musical instruments.

US and World History

The 50 states

Create a time line showing the dates that states were admitted to the union. Information on the 50 states can be found at <http://www.50states.com/>. Students can also add pictures of the State Quarters (<http://www.usmint.gov/kids/index.cfm?Filecontents=/kids/coinnews/50sq.cfm> and <http://www.enchantedlearning.com/math/money/coins/quarter/>).

US Presidents

Create a time line showing the terms of the presidents. Include major US and world events. <http://lcweb2.loc.gov/ammem/odmdhtml/preshome.html> included pictures of the presidents and first ladies.

Decades of the 20th Century

Create a time line of the decades of the 20th century. Focus on one aspect such as pop culture, politics, innovations, conflicts or people. Show key characteristics of each decade.