

The History of Rockets Mini Book Timeline

Using the eight-page Mini Book template, print and make two versions of the Mini Book. Stick the back cover of the first book to the front cover of the second book to make a fourteen-page Mini Book.

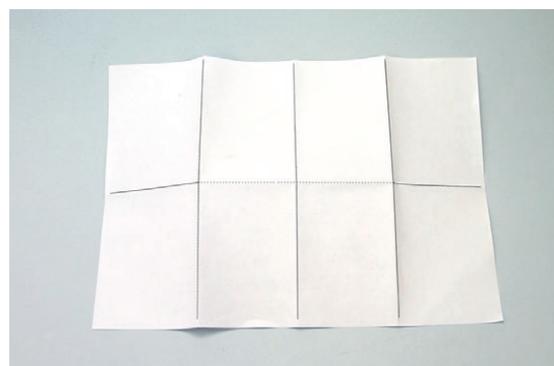
Cut out the rocket timeline entries on the next page and stick them into your Mini Book so they are in the correct chronological order.

Cut out the pouch below and attach it to your lapbook to store your timeline Mini Book.

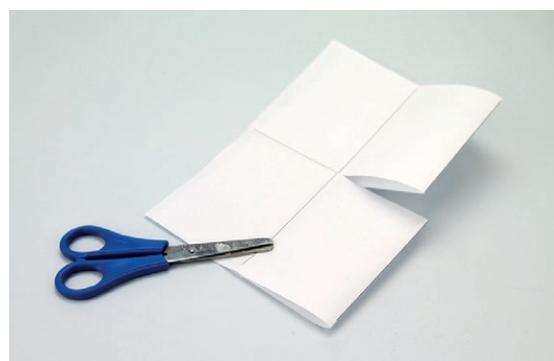


Mini Book Template

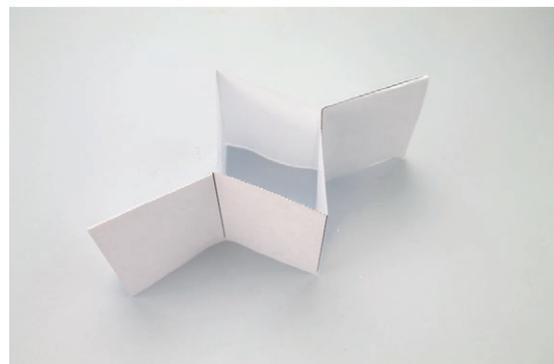
1. Start by folding along all the lines on the template. Or use a sheet of paper of your choice and follow the fold pattern. Press each fold down flat with a ruler or your fingernail.



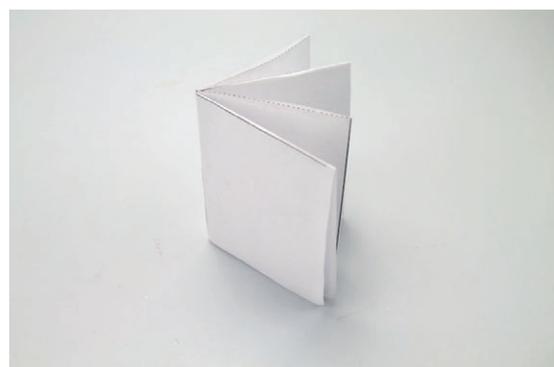
2. Fold the sheet in half horizontally and then cut along the dotted line to the center. Open the paper out and you should see that you have cut along the whole length of the dotted line.



3. Now fold the paper in half vertically so that you see a diamond-shaped hole from above.



4. Push the opposite corners of the diamond-shaped hole together to form the pages of your book.



5. Fold and flatten your book.

1844

Englishman William Hale invents a technique called Spin Stabilization, in which rockets spin around very fast to keep them more stable in flight.



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1942

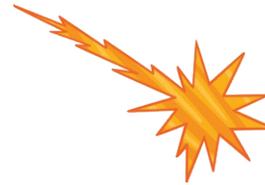
V2s are introduced by the Germans during the Second World War. These were ballistic rockets powered by a mix of liquid oxygen and alcohol.



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1591

A German firework maker called Johann Schmidlap invents the "step rocket." The rocket used multiple explosions to lift the rocket to new heights.



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1232

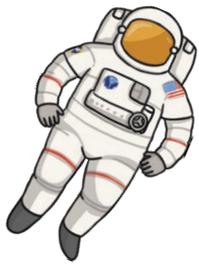
The Chinese discover that escaping gases from bamboo tubes, attached to arrows filled with gunpowder and ignited, cause rockets to launch by themselves.



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1961

Yuri Gagarin becomes the first human in space, after being launched into orbit by a Vostok rocket.



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17th Century

Sir Isaac Newton, formulates the three laws of motion that were the basis for all future developments in rocketry.



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1926

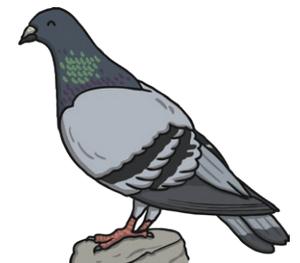
The first liquid-propelled rocket is built and launched by an American named Robert H. Goddard.



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Around 400 BC

Greek scientist, Archytus, creates a steam-powered pigeon, which travels along a wire.



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2016

After five failed attempts, SpaceX successfully lands a rocket returning to Earth on a drone ship at sea.



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1898

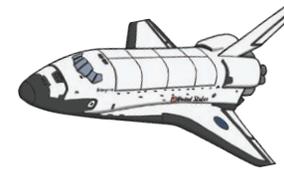
Russian schoolteacher, Konstantin Tsiolkovsky, first proposes the idea of using rockets for space exploration and using liquid fuels.



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1981

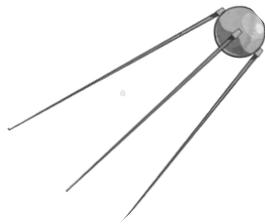
First launch of the space shuttle - a partially reusable rocket system for transporting humans and equipment into Earth's orbit.



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1957

A rocket is used by the Soviet Union to launch Sputnik 1; the first artificial satellite to orbit Earth.



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2010

SpaceX launches the Falcon 9 rocket into the first privately achieved Earth orbit.



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1969

The astronauts of Apollo 11 are the first to successfully land on the moon. Their command module and lunar lander is launched into space by the Saturn V rocket.

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