 **Samuel F.B. Morse,** in full Samuel Finley Breese Morse    (born April 27, 1791, Charlestown, Mass., U.S.—died April 2, 1872, New York, N.Y.), American **painter** and inventor who, independent of similar efforts in [Europe](http://www.britannica.com/EBchecked/topic/195686/Europe), developed an electric [telegraph](http://www.britannica.com/EBchecked/topic/585850/telegraph%22%20%5Co%20%22telegraph) (1832–35). In 1838 he developed the [Morse Code](http://www.britannica.com/EBchecked/topic/393067/Morse-Code).

Artist Inventors

<http://www.britannica.com/EBchecked/topic/393059/Samuel-FB-Morse>

 Leonardo DaVinci the renaissance man and one of the most famous artists in the world was also an incredible inventor. This gallery is full of drawings made by Leonardo DaVinci of his ideas for inventions.

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| An Artillery Park is a 1487 drawing by Leonardo da Vinci.[Artillery Park](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Artillery-Park.htm) | Stretching Device for a Barrel Spring a 1498 drawing by Leonardo da Vinci[Stretching Device for a Barrel Spring 1498](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Stretching-Device-for-Barrel.htm) | Designs for a Boat is part of a series of (1485 - 1487) drawings by Leonardo da Vinci.[Designs for a Boat (1485 - 1487)](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Designs-for-a-Boat-.htm) | Ornithopter Flying Machine Designed and Drawn by Leonardo da Vinci [Ornithopter Flying Machine](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Ornithopter-Flying-Machine.htm) |
| Design for a Flying Machine is a 1488 drawing by Leonardo da Vinci.[Design for a Flying Machine 1488](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Design-for-a-Flying-Machine.htm) | Design for a Flying Machine is a 1488 drawing by Leonardo da Vinci.[Design for a Flying Machine 2](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Design-for-a-Flying-Machine-2.htm) | Armoured Car a pen drawing dated 1487 by Leonardo Da Vinci[Armoured Car](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Armoured-Car.htm) | Drawing of giant crossbow by Leonardo da Vinci circa 1485 to 1487. [Giant Crossbow](http://inventors.about.com/od/dstartinventors/ig/Inventions-of-Leonardo-DaVinci/Giant-Crossbow.htm) |

 

FUNCTIONAL ART

Your next assignment is to create a functional toy OR an invention. You will design your toy or invention from start to finish. You must determine the materials you’ll need to use.

Hints: For toys, ‘functional’ could mean educational, or it has a hidden use (secret storage compartment), it rolls or has jointed arms, etc.

For inventions, your invention should solve a problem or greatly improve upon an already invented invention.

In your sketchbook, give me 3 detailed drawings of your toy or invention – front view, top down view, & a side view. Make notes about materials & be detailed in your work. Drawings should be scaled. Must be in full color (use markers or colored pencils).