

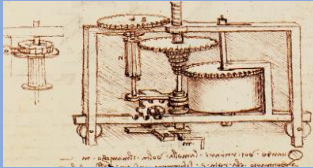
ENTER

invite YOU to think back to the 16th Century with hands-on scientific discovery and innovation!

Student Days Get Your Creative Mind in Gear Contest
An essay contest for 1st – 12th grade students promoting STEM throughout the state

DID YOU KNOW?

The following are just a sampling of the designs created by Leonardo da Vinci during the Renaissance: Parachute, Flying Machine, Armored Car, Machine for Storming Walls, Medical Instruments, Hydraulic Pumps, Giant Crossbow, Boat Design, and the Steam Cannon.



Some of the sketches and designs made by Leonardo da Vinci were not converted into actual, workable machines. These designs were quite sophisticated and detailed. The ornithopter was one such design which proved to be the basis on which today's helicopters are designed. Imagine that!

Leonardo's Private Notes

Not only did Leonardo write with a special kind of shorthand that he invented himself, he also mirrored his writing, starting at the right side of the page and moving to the left. Only when he was writing something intended for other people did he write in the normal direction. The purpose of his mirror writing is unknown, but one idea is that it may have kept his hands clean, or his ideas secret. People who were contemporaries of Leonardo left records that they saw him write and paint left handed. He also made sketches showing his own left hand at work.

CREATIVE INSPIRATION FOR GRADES 7-12!

<http://www.da-vinci-inventions.com/davinci-inventions.aspx>

<http://www.da-vinci-inventions.com/robotic-knight.aspx>

Gears-Go-Round! [Learn how a gear works]
http://www.sciencebuddies.org/science-fair-projects/project_ideas/ApMech_p016.shtml

<https://www.mos.org/leonardo/>



The Renaissance-era was a period filled with wondrous innovations: the printing press, mechanical clock, microscope, and MORE!

We want to hear about YOUR ideas for the future!

Grades 1st – 6th: Get Your Creative Mind in Gear!

Essay word count: 150–200 words (grades 1st–3rd), 350 words (grades 4th–6th)
Choose one of the following writing topics:

Option 1: Discuss a device, creation, or idea you have relating to Renaissance-based invention or theory that would inspire youth hundreds of years from now.

Grades 4th–6th should include a drawing of student's innovation/idea
Option 2: Which Renaissance invention most influences the modern world, and how might this invention evolve 500 years from now?

Grades 7th – 12th: Da Vinci and workable machines!

Essay word count: 500 words (grades 7th -12th)

Option 1: What impressed you most about model sketches and designs made by Da Vinci?

Option 2: Describe why you think the challenges inventors face today are the same or different than the difficulties they faced in the past.

Option 3: What conclusions have you come to about the development of inventions and their creators?

Entry Information:

One entry per person.

Please include: First Name, Last Name, School Name, School Address, Teacher's Name, Teacher's Email, Teacher's Contact Number, Grade & School Subject.

Essays/photos will not be available for return.

A set of 1st, 2nd & 3rd place winners will be selected from the 1st – 6th grades and 7th – 12th grades. First place will win admission to Student Days for his/her classroom. Transportation is the responsibility of the school/teacher. Second place winners will receive 4 adult & 4 child tickets and Science-Themed books. Third place will receive 2 Adult & 2 Child tickets, and a Science-Themed book.

Send Essays & Photos by **Wednesday, January 9th, 2019**, to

stdays@renfestinfo.com

OR Mail to:

Arizona Renaissance Festival
Student Days Essay Contest
12601 E. US HWY 60
Gold Canyon, AZ 85118.

Arizona Renaissance Festival Student Days – March 5th & 7th

Visit RenFestInfo.com & click on Student Days for additional resources and Student Day Order Information.