

## **Leonardo Da Vinci: Artist, Inventor, and 'Renaissance Man'**

We are going to be using Leonardo Da Vinci's blueprints and journals (**primary sources**) to create flying inventions. You will need to use his designs as a base, but can make some adaptation or changes to your own design!

Ms. Ward will provide you with some basic materials, including: **masking tape, glue, glue guns, cardboard, tin foil, parchment paper, construction paper, paper straws, yarn, and popsicle sticks**

If you want to use other materials (ex: paper towel rolls), you can bring in **2 extra materials yourself.**

Your grade will be based on your **planning (blueprint)** , your **progress and process** during class, and the end **product (your invention)**. This project is part of both our Social Studies unit and a part of the Applied Designs projects.

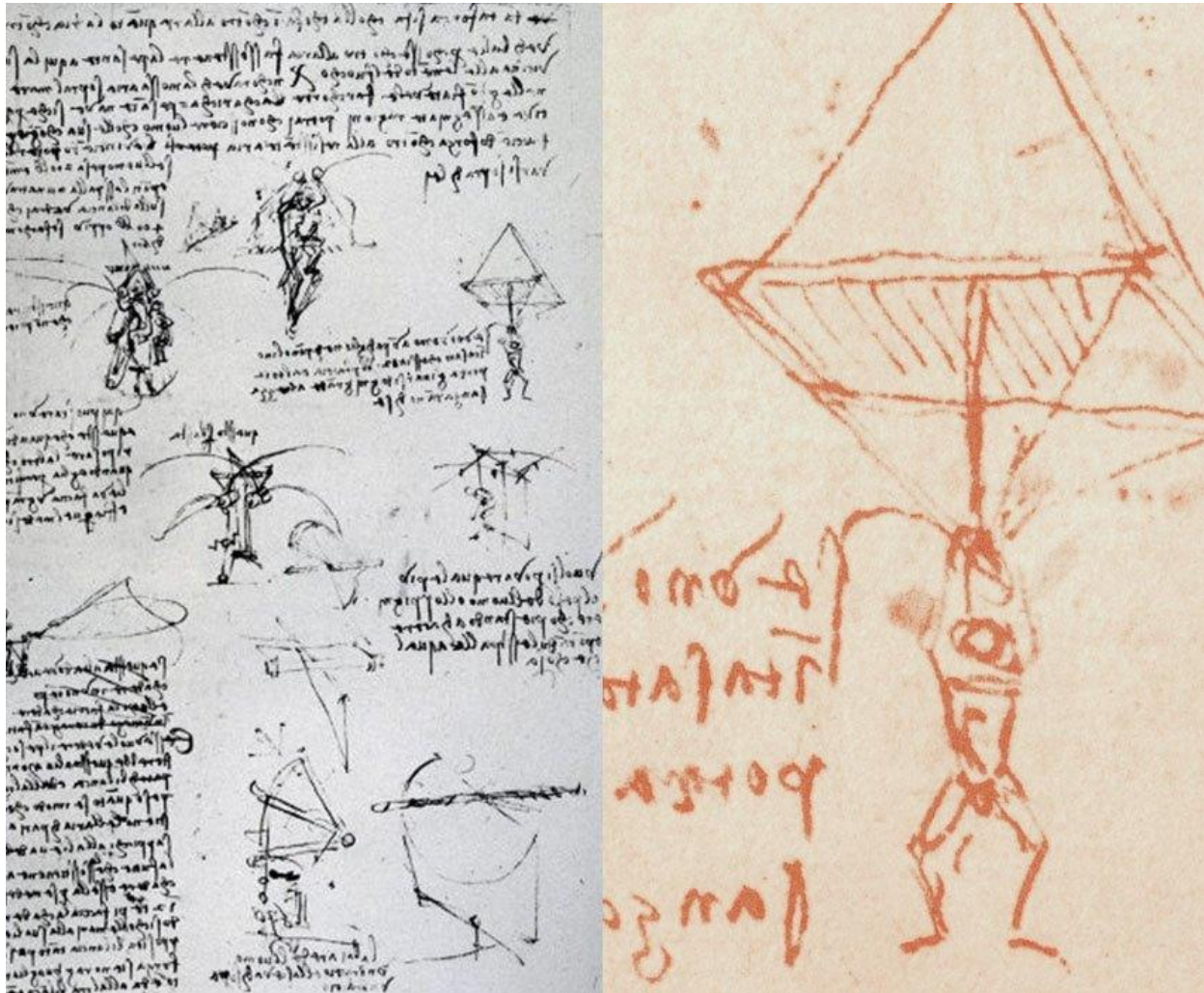
### **STEP ONE:**

We will be using Da Vinci's design for a parachute (designed hundreds of years before the parachute was 'officially invented') looks quite different from the parachutes that we see today. Da Vinci designed this to be made with rope, wood, and canvas fabric.

Da Vinci wrote in his journal, "If a man have a tent made of linen of which the apertures (openings) have been stopped up (closed), and it be 23 feet across and twelve in depth, he will be able to throw himself down from any

height without suffering any injury”.

**Using Da Vinci's blueprints and journal below, create your own blueprint for your parachute. You may use modern parachutes for inspiration as well.**



When you draw your design...

- you must draw it from at **least 2 different angles** (ex: side and top).
- You must include a list of materials that you will use
- You must label your the parts of your design
- You must have somewhere for a person to attach to/use your parachute

Only once your design has been approved by Ms. Ward can you start building! We will be testing out our parachutes in a few days. You will be

given class time to build your parachutes, but may want to do research at home too.