

# Art/DT Planning: Year 2

## Inventors and inventions

### Become an Inspiring Inventor!

#### Design and Draw your own Invention!

Draw your own invention! What would you invent to help people or the environment? Can you describe how it works and label different parts?

#### William Kamkwamba

William Kamkwamba is a Malawian inventor and author. He is famous for designing and building a wind turbine out of old bicycle parts and scrap metal to generate electricity. What is remarkable is William was only 14 years of age! Can you design and draw, or build your own invention or tool that helps people who live in places where they may not have electricity or water? What could you make it out of? Could you use solar power?

[https://www.ted.com/talks/william\\_kamkwamba\\_how\\_i\\_harnessed\\_the\\_wind?language=en](https://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en)



#### Lonnie G Johnson

Lonnie G Johnson is an African American engineer who worked for NASA's Jet Propulsion Laboratory. During his time at NASA, Johnson worked on the Galileo mission to Jupiter, the Mars Observer project, and the Cassini mission to Saturn. He earned multiple awards from NASA for his spacecraft control systems.

But Johnson is possibly best known for inventing the Super Soaker water gun! How about inventing a new toy? Draw a design for a toy that you would like to play with. It might be something that hasn't even been invented yet! It might be something that floats, spins, rolls or flies! Follow this link for some ideas for what you could make!

<https://www.youtube.com/watch?v=WDnCi1s3Qjo>

### Say Cheese!

Photography revolutionised the world of art! Portraits and landscapes could be captured in a moment. As an art form it has been used to capture unusual shapes and shadows in our environment and tell visual stories. Camera phones can be used to explore this wonderful artistic invention. Can you use a camera and take a photograph of something that inspires your arty skills? Here are some ideas!

<https://clickitupanotch.com/photography-for-kids/>

#### Micro photographs!

Take a picture of a toy, plant or textured surface! What patterns, shapes and shadows can you find?



#### Tell a visual story!

Use toys, objects and your imagination to tell a story using snapshots or video!



Become an animator!

<https://www.tate.org.uk/kids/make/art-technology/be-animator>



### Leonardo Da Vinci:

Leonardo Da Vinci was a famous Italian inventor, artist, astronomer and scientist. Many of his ideas have become reality many 100's of years after his death. Learn more about his inspiring ideas below:

[https://www.youtube.com/watch?v=Y0\\_htkvCVpE](https://www.youtube.com/watch?v=Y0_htkvCVpE)

### Build Your own Parachute!

Leonardo Da Vinci designed the first parachute 500 years ago! Follow the link below to build your own!

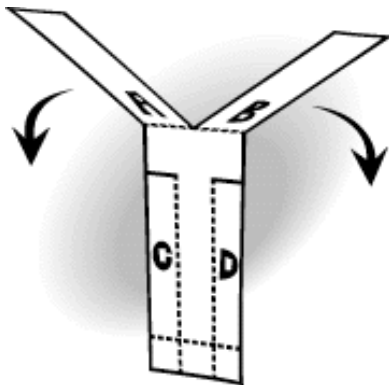


<https://deceptivelyeducational.blogspot.com/2015/07/diy-parachutes-and-science-behind-how.html>

### Make your own Rotocopter inspired by Leonardo Da Vinci!

Follow the link below to make your own flying machine!

[https://www.exploratorium.edu/science\\_explorer/roto-copter.html](https://www.exploratorium.edu/science_explorer/roto-copter.html)



### Stained Glass Candle Holder!

Stained glass was invented in 675 AD! Recycle old plastic bottles to make beautiful candle holders or sculptures using felt tips!



<https://www.instructables.com/id/Plastic-Bottle-quotStained-Glassquot-Candlehol/>



### Draw your own Sound Creature

Artists explore the use of technology more and more as new inventions bring new creative ways of expressing art. Follow this link to explore strange and exciting sounds and see what unusual creatures you can design by taking part in this interactive activity!

<https://www.tate.org.uk/kids/make/art-technology/draw-sound-creature>

We now have a Dalmain Twitter Art page [@dalmain\\_art](https://twitter.com/dalmain_art) for you to share your work with the rest of the school community! We would love to see what you have created to celebrate the gifted artists we have in the school. We will also be sharing ideas and inspirational arts and crafts so don't forget to take a look!