

Volcanoes Year 4 - Art/DT Knowledge Organiser

What will I learn by the end of this topic?

- compare the work of famous artists
- master the skill of drawing
- create a stencil print
- create a computer aided design
- make a product based on my design

CAD

Computer Aided Design (CAD) is the use of computer software to create designs. CAD software is frequently used by engineers and designers. CAD software can be used to create 2D drawings or 3D models of your design.

What is Tinkercad?

Tinkercad is a free web app that can be used for 3D design, electronics and coding. Simply go to www.tinkercad.com, create an account and start tinkering.

In the **3D Design** mode, 3D shapes and objects can be selected and dropped onto a surface called a **Workplane**. The 3D shapes can be **modified** and combined.

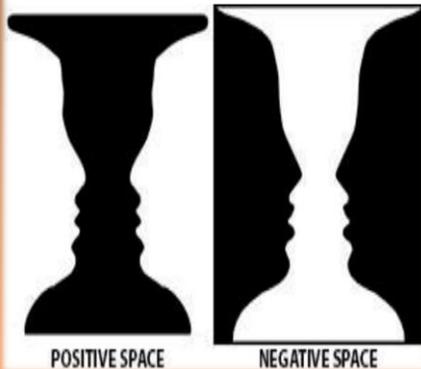
Tinkercad encourages creativity, design skills, logical thinking and problem-solving.

3D models designed in Tinkercad can be printed using a 3D printer.

Key Vocabulary

Tone	the particular quality of brightness, deepness, or hue of a shade of a colour
Stipple	mark (a surface) with numerous small dots or specks
Stencil	a piece of card, plastic, metal, etc. into which shapes have been cut, used to draw or paint
CAD (computer aided design)	the use of computer-based software to aid in design processes
Rotate	move or cause to move in a circle round an axis or centre.
Paper mache	pieces of paper mixed with glue or with flour and water, used to make decorative objects or models

Positive and negative space



Why do artists use positive and negative space?

Negative space is, quite simply, the **space** that surrounds an object in a image. Just as important as that object itself, **negative space** helps to define the boundaries of **positive space** and brings balance to a composition.

Find out more about stencil designs by watching this video <https://www.youtube.com/watch?v=nypkK1G7DkM>

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ANDY WARHOL

Biography

-Andy Warhol was an American artist, film director and producer.

-Warhol is one of the most famous artists of the 20th Century.

-He was a leading figure in the art movement known as pop art, from the 1950s to the 1960s.

-He is most famous for works such as *Campbell's Soup Cans*, *Marilyn Diptych* and *Eight Elvises*.

-Warhol's works explore advertising and celebrity culture, which emerged in the 1960s in the United States and Europe.

-He used a variety of techniques and styles, including painting, silkscreening and sculpture.



-Warhol lived between 1928 and 1987. He was originally from Pittsburgh, but spent much of his life living in New York City.

Find out more about Andy Warhol by watching this video

<https://www.tate.org.uk/kids/explore/who-is/who-andy-warhol>

Significant Works

Campbell's Soup Cans (1962)



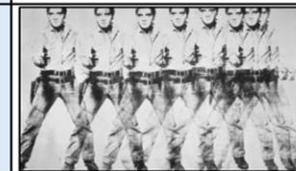
-*Campbell's Soup Cans* consists of 32 canvasses, each of which measure 51cm x 41cm. Each canvass contains a painting of one of the 32 varieties of soup offered by the company at the time.
-The printmaking method was used to produce the paintings. The criticism and debate that the work drew helped the rise of pop art, and turned Warhol into one of America's most famous artists.

Marilyn Diptych (1962)



-The *Marilyn Diptych* is a silkscreen painting.
-It contains 50 images of Marilyn Monroe, a hugely famous American actress and model who died aged 36 in 1962. This was created in the weeks following her death.
-The 25 images on the left are in colour, the 25 on the right are in black and white, and are faded.
-It is thought that the relationship between the two sides were to represent her life and death.

Eight Elvises (1963)



-*Eight Elvises* is another silkscreen painting.
-It contains eight identical images of Elvis Presley in cowboy costume on a silver background.
-The cowboy is a typical Hollywood construction, and the silver is to represent the 'silver screen', a name given for the Hollywood movie industry.
-It is a large painting, measuring 200 by 370cm.



Warhol's Queens

Warhol also used pictures of famous people. He would repeat the same portrait over and over but use different colours and effects in each picture. Some of the celebrities he had as subjects include Marilyn Monroe, Che Guevara and Elizabeth Taylor.