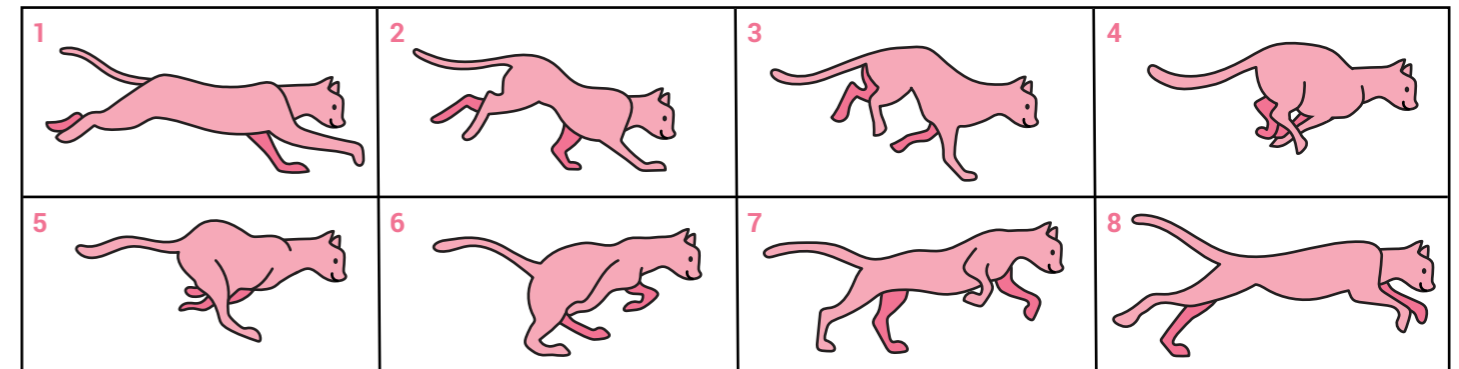


ART IN MOVEMENT: ANIMATION

Did you know that cartoons are made using animation techniques? In animation, drawings and objects are photographed – the photos are then arranged successively in a film to create the illusion of movement.



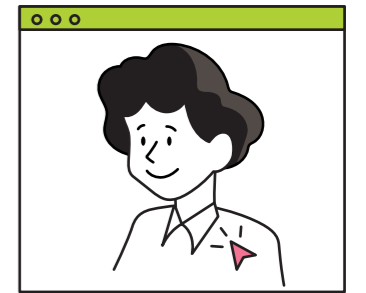
There are **two main types** of animation techniques:

(1) Two-dimensional (2D) animation: A series of drawings with slight changes between them is photographed, one drawing at a time. When the photographs are viewed in quick succession, an illusion of movement is created. This is often seen in classic cartoons.

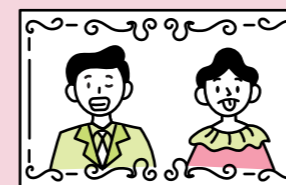
(2) Three-dimensional (3D) animation: Using Computer Generated Imagery (CGI), animators create 3D models of characters and objects and manipulate them in a digital environment. This is often seen in video games and films.



2D animation



3D animation

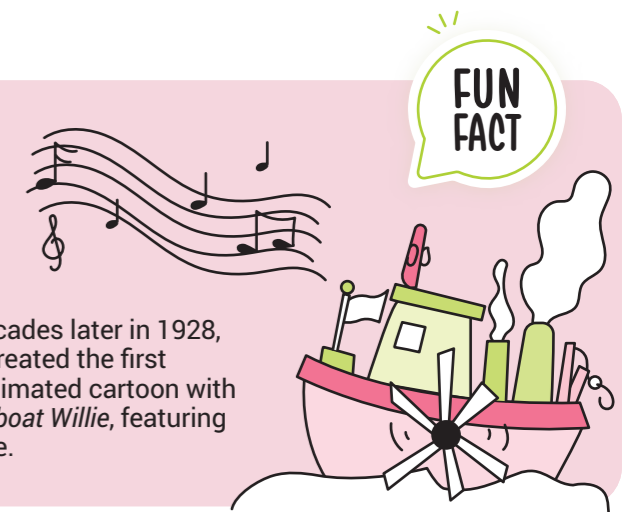


Good Old Days

In 1906, J. Stuart Blackton created the first silent animated film, *Humorous Phases of Funny Faces*.



About two decades later in 1928, Walt Disney created the first successful animated cartoon with sound, *Steamboat Willie*, featuring Mickey Mouse.



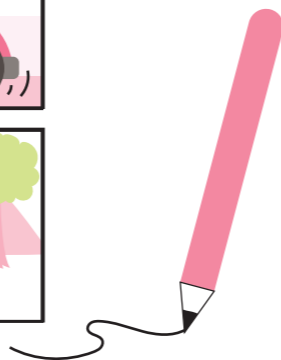
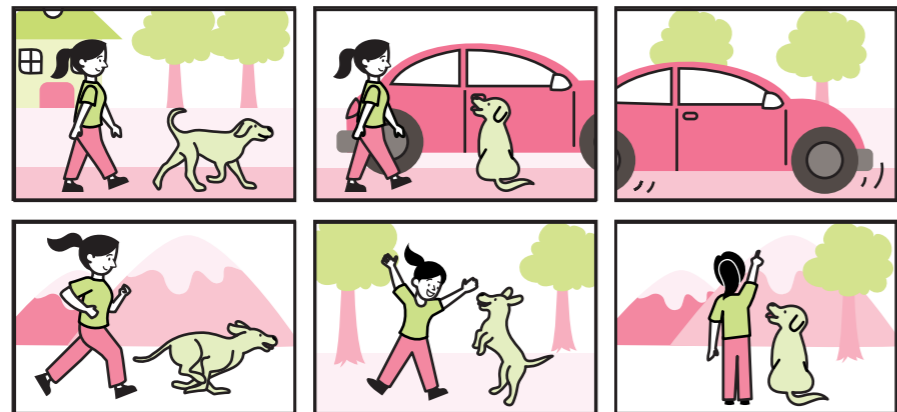
Sources:

- Jones, Michael. (n.d.). The Difference Between 2D And 3D Animation. Mograph Mentor. <https://www.mographmentor.com/education/the-difference-between-2d-and-3d-animation/>
- Tate, L. (2018, August 1). 20 completely random and geeky facts about Stop-Motion animation. GeekMom. Retrieved June 23, 2022. <https://geekmom.com/2018/07/20-completely-random-and-geeky-facts-about-stop-motion-animation/>
- Thalman, N.M., Thalman, D. (1990). Conventional Animation. In: Computer Animation. Computer Science Workbench. Springer, Tokyo. https://doi.org/10.1007/978-4-431-68105-2_2

Create a Storyboard

Before animators get to work, they start with a storyboard, where they plan the sequence of events in their story. Based on the pop-out puppets on the next page, draw your sequence of events in the boxes below.

example:



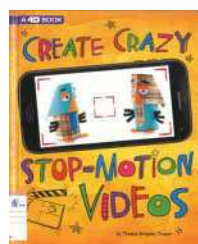
Title: _____

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Draw scenes



Recommended Reads



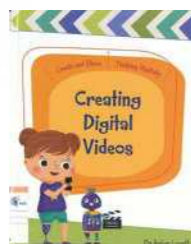
Create Crazy Stop-Motion Videos

Author
Thomas Kingsley Troupe

Call No.
J 778.5 TRO

Publisher
Capstone Press, 2020

Available as an eBook on the NLB catalogue at www.nlb.gov.sg



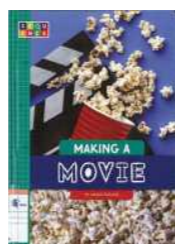
Creating Digital Videos

Author
Amber Lovett

Call No.
J 778.5 LOV

Publisher
Cherry Lake Publishing, 2020

Available as an eBook on the NLB catalogue at www.nlb.gov.sg



Making a Movie

Author
Nadia Higgins

Call No.
J 777 HIG

Publisher
Amicus/ Amicus Ink, 2019

Create an Animation

Ready to make your own animated film? Let's get started!



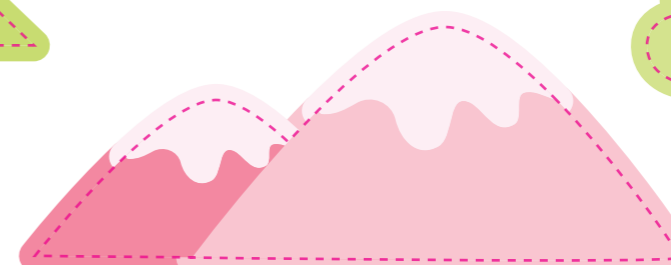
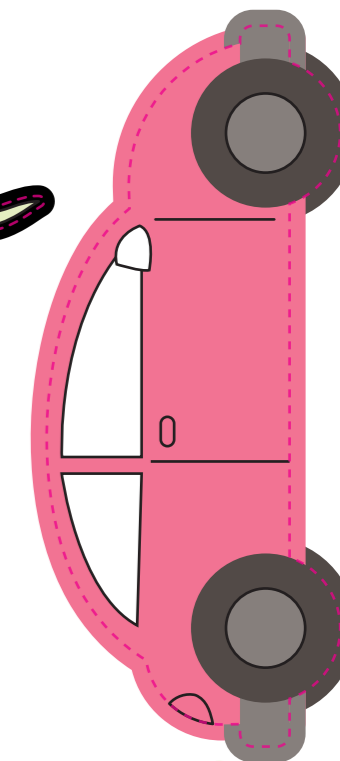
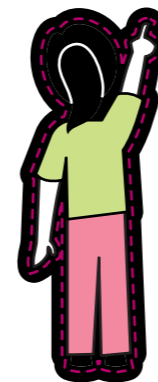
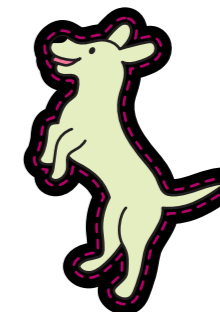
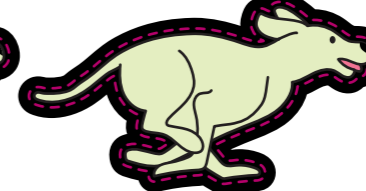
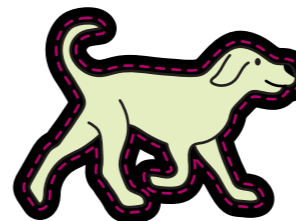
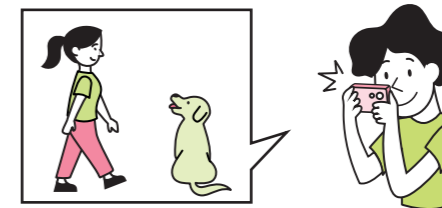
Instructions:

1 Use the pop-out puppets on this page to recreate your scenes from your storyboard.
Tip: Try creating your own puppets.

2 Take a photo of each scene in order of sequence.
Tip: Scan the QR code for photography tricks.
<https://go.gov.sg/diyphtographytricks>



3 View the photos taken.
Tip: If using a digital device, scroll quickly for better effect.



Sources:

NLB Singapore. (2022, March 8). *DIY Photography Tricks | School Holidays Specials with Librarians* [Video]. YouTube. <https://www.youtube.com/watch?v=SHWTXh1HVM>.