

Stop-Motion Animation Kit

Overview

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What is a Library of Inspiration Kit?

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Whats in the pack?

Here is a brief List of what is included in the Kit! Please use this list to double check if everything is in the Kit, before and after you work with this Kit! If anything is missing/ or damaged, please let the person you borrowed the kit from know as soon as possible.



List of Material in the Kit

2x Animation Puppet
(with one spare finger)

2x Animation Rig

2x Small Metal Plates

1x Small Tripod

1x Instruction Booklet



Downloads:

- **Stop Motion Studio** (Free)

Google Playstore:



Apple Store:



- **Stikbot Studio 2.0** (Free)

Google Playstore:



Apple Store:



Whats is Stop-Motion Animation?

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What awaits you in this Kit?

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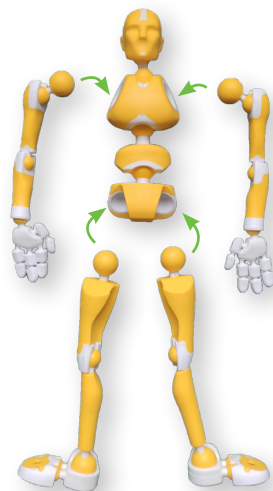
Before you Start!

Before you can get started with the first challenges, you need a little bit of work to get you started! But don't worry, it is super easy, fast, and fun!

Human Figure

Let's get started with the **Sticky Bones Animation Figures!** The Figure is a high quality animation puppet, but please be still careful with it!

The Figure should be in the kit with the Arms, Legs, and maybe the head disattached from the torso. You can easily 'pop' the joints into the figure and the Figure is good to go! If other parts came off (often fingers) you can reattach them the same way! If you are unsure, check the instructions that come with the figure. The hands and Legs for the Figure are magnetic for extra stability.



Help! Something broke... :(

Don't Panic! Moving parts may break after sometime! Try to find the broken part if possible and keep them in the set. Tell the person you borrowed the Kit from that a part broke and they should know what to do with it! **Easy as that!**

Animation Rig

With the Human Character, also an **Animation Rig** is included. The rig is needed to enable Jumps and other cool animations! Assembling the Rig should be a walk in the park after dealing with the Humanoid. Not all of the rig parts are needed to animate an animation and sometimes it is easier to balance if fewer parts are used. The base of the Rig is magnetic and can be attached to metal planes and surfaces.

Inspirational People:

KEVIN PARRY



[www.youtube.com/
@kevinparry](http://www.youtube.com/@kevinparry)



Kevin Parry is a Content Creator and Professional Animator! You might know him from his creative Social Media posts or Youtube Videos where he uses smart VFX and Animation Tricks to create engaging and fun Videos! He has also worked on some of the worlds best known Stop Motion Movies!



GULDIES



www.youtube.com/@Guldies

Guldies is a Stop Motion Artist and Sculptor from Sweden and creates fantastic Clay Animations! Guldies is a master at his craft and connects great audio to push the immersion of his animation. If you are interested in animation that is not done with puppets, this is a great place to gather inspiration and skills!



Inspirational Studio

LEIKA STUDIO



<https://www.laika.com/>

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Activity 1:

Getting Started with a Jump Animation!


Approximately Time:

 ~30 Minutes

What do you need:

 Camera or...

 Smartphone

 Animation Puppet
and Rig

Ready for the first Challenge? Let's get straight to it then! In your Library of Inspiration Kit, you received an animation puppet, together with a rig! We will use both of those for the first animation, to give you a good understanding of how it works!

The first animation challenge is to make the puppet jump! To achieve this, we need:

Activity 1 / Jump Animation

1. Attach Rig to Puppet

The Puppet has a small square hole on it's bottom. The end of the rig can be attached in this spot.

2. Setting up the Camera:

Setting up the scene is very important! The camera should be securely placed and move as little as possible (unless needed)

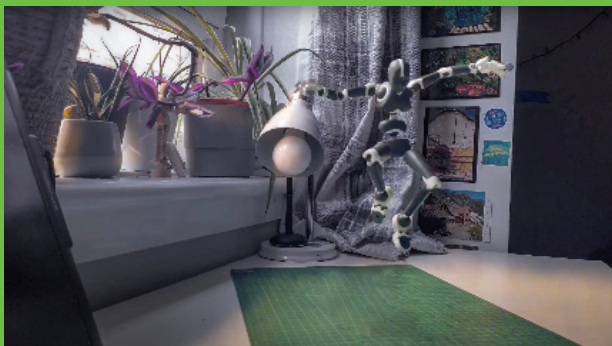
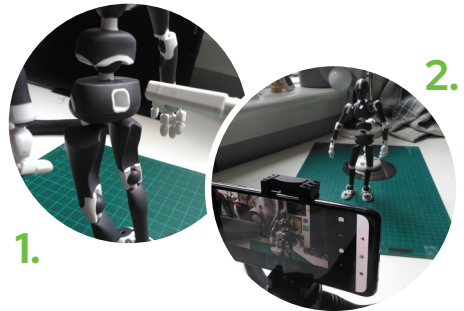
For the example, some tape was used to mark the position of the puppet, camera and table matt. Under the table matt, underneath the figure, was the round metal plane placed to offer more stability for the magnetic figure.

3. Start to Animate!

Finally! We are ready to animate! Move the Limbs bit by bit to create the illusion of movement. Don't

forget to take a image after each adjustment. Remember, the further you move the puppet, the faster it will move in the final animation. Don't worry the animation seems a little bit fast at first, you can adjust the frame rate at any point and duplicate or add new frames.

For the Example video 16 Frames have been shot and then duplicated to adjust the timing (frames)



Example Video:
Jump (with Clean Up)



Activity 2:

Create your own Walk-Cycle!

Approximately Time:



~45 Minutes

Material:

What do you need:



Camera or...



Smartphone



Animation Puppet

Challenge

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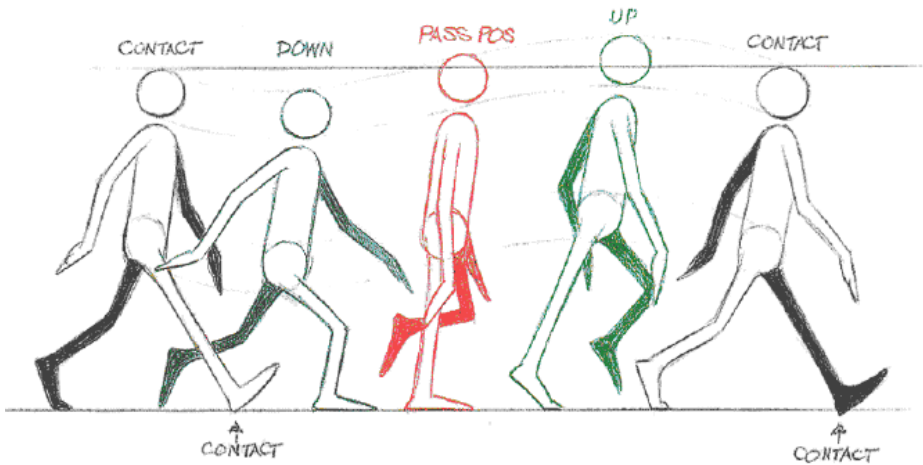
Activity 2 / Walk Cycle

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Fun Fact!

Stop Motion animation was before film even existed. Through experiments with changing pictures, photographers around 1850 realized the potential of film though 'moving pictures'



Activity 3:

Challenge Yourself!

Approximately Time:

 No Time limit

Material:

What do you need:

 Camera or...

 Smartphone



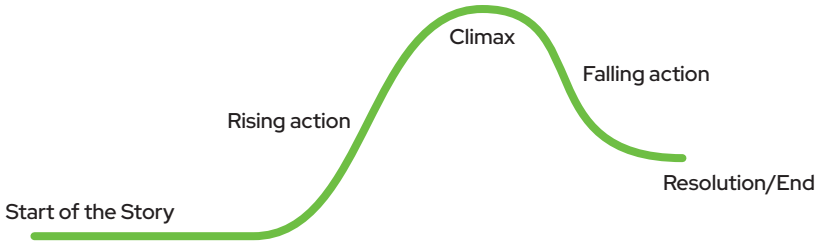
Animation Puppet

You made it this far, amazing! As you might have realized, Animation is great, but up to this point, something has been missing. Storytelling! While animation can be very satisfying to watch and make, what makes it so capturing, are the fantastic stories that can be told with this form of media.

So this time before you start to create your own Animations, it is encouraged to think of/ find a story. **Remember: A good story doesn't need to be long, nor complicated.** In fact, most of the time, the best stories are the most simple ones. A good guide when Creating a story, is to follow a

Activity 3 / Your own story!

story structure:



Preproduction

As you realized, animation is a lot of work and creating multiple shots is even more challenging than doing just one. It is important to have your story planned out before you start with the animation process! There are multiple things you might want

to consider before you start, like creating a **storyboard**, decide on a **visual style**, draw **backgrounds** or even create a new character yourself. All of these things are part of the preproduction process, as the name says, the phase before the

Fun Fact!

Stop Motion animation is timeless! While the craft of Stop Motion Movies is becoming harder and harder to finance the Animation industry has seen a rising demand of Animation production! Some of the most successful and beloved Stop Motion Movies are from the UK like: (Among others)

- Wallace and Gromit
- Shaun the Sheep



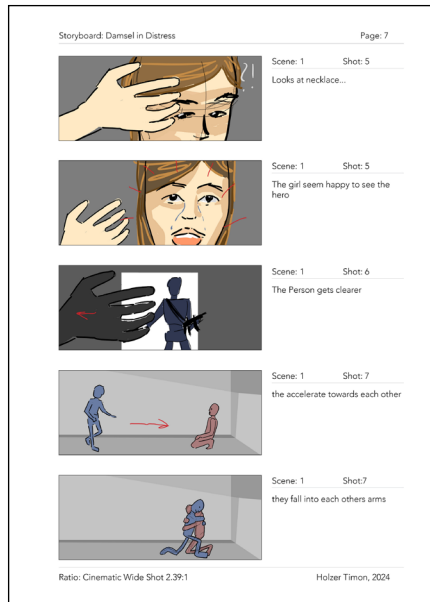
Activity 3 / Your own story!

animation production.

Storyboards

Storyboards can be easily imagined as a comic of your story. The storyboards plans how you want to set up the camera (shots and angles, etc.) and how your animation will move through the shot. Having a well planned storyboard, can save you a lot of trouble while animating and lets you easily check if your story is easy to follow and cool looking!

> **Example of a storyboard page**
(picture right)



Well Done!

You made it through all
the challenges!

Make It, Save it, Share it!

How to save your Accomplishments:

There are several ways and formats to save your animations! The most common options would be to save a **GIF** file, or for longer animations a **MP4** file. Dependless of what app you used, these options should be available.

Stop Motion Studio

Quick youtube video to help you with this process:

- <https://www.youtube.com/watch?v=OOL1yIDOLp4>

Stikbot Studio 2.0

Quick youtube video to help you with this process:

- <https://www.youtube.com/watch?v=uFOQdx-oaoQ>

Sharing your Videos!

You probably don't need a hand or video to show you how to send or post the animation! What you can do, is tag **#LibraryofInspiration** and help us to inspire other Kids in Scotland!

About Animation, Library of Inspiration, and more!

Learn More!

Edinburgh Napier University

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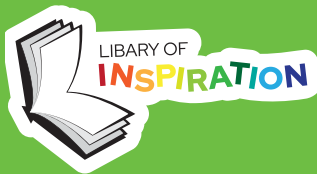
Contribuators

Name of people

Name of people

Name of people

Name of people



Edinburgh Napier
UNIVERSITY

Library of Inspiration is a project of **Edinburgh Napier University**
to inspire and inform the youth of possible Careers in the Tech and Creative