

Mechanisms for Animated Wooden Toys

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Mechanisms Videos on You Tube

This is a sampling of a few toy videos. For more search YouTube for Mechanical Toys, Automata, Automaton, Animated Wooden Toys etc.

Mechanisms Animations

<https://www.youtube.com/playlist?list=PLhoXNQqrCmEfAaTf0AfQ1Ztxmz2DoZiCk>

Mechanisms and Automata

<https://www.youtube.com/watch?v=0gjyVqwrf3E&t=7s>

Toy Physics - Part 1 - Woodpecker on Pole

<https://www.youtube.com/watch?v=s3YSnNAIHDg&t=1s>

Toy Physics - Part 2 - Tumbling Cat

<https://www.youtube.com/watch?v=huOoqu6O-Yo&t=8s>

Toy Physics - Part 3 - Waddling Duck

<https://www.youtube.com/watch?v=huOoqu6O-Yo&list=PLzzAyyAJLaSe4iz0qOEoUzsEfLK-E0AoX&index=2>

Sea Effect

<https://www.youtube.com/watch?v=KwwaCh8yOco&list=PLzzAyyAJLaSe4iz0qOEoUzsEfLK-E0AoX&index=https://www.youtube.com/watch?v=vkoYCTS8Z00&list=PLzzAyyAJLaSe4iz0qOEoUzsEfLK-E0AoX&index=7>

Year 8 Mechanical Toys

<https://www.youtube.com/watch?v=h5EWrfqXJYM&t=115s>

Griffith University Designs

https://www.youtube.com/watch?v=d_aUyC7dhY0&t=58s

Automata Sampling -with Wake up Smell the Roses

<https://www.youtube.com/watch?v=uz8TV7gkeT0>

Animated toy book: Animated Animal Toys in Wood, David Wakefield, Fox Chapel Publishing

Mechanism Prototyping Stand

This simple little setup will assist the toymaker in understanding and developing mechanisms for animation. With multiple holes it allows the maker to position various wheels and cams to help plan a toy.

The holes in the top are for inserting dowels for cam animation as well as for 90° motion transfer wheels.

The holes in the back are for axles that will drive the cams. Having several holes allow you to position cams and wheels in various places.

The rectangular holes on the bottom are used for the yoke and tilted disk mechanisms.













