

Lesson Plan

Ball Bounce

Summary

Students use Google Slides to create an animation of a ball bouncing. This is a good starter project for traditional animation.

- Grades: 3-8
- Create original works as a means of personal or group expression. **(ISTE standards: creativity and innovation)**
- Time: 45 minutes

Teaching Plan

Learning Context

Show students Steamboat Willie (this is the original Mickey Mouse cartoon).

Ask students the following questions:

- How do you think the cartoon was created?
- How was this animation made differently from current animation such as The Incredibles or Zootopia?

As a follow-up you can show this video on [the traditional animation process](#).

Procedure

Explain that we can mimic the traditional animation using Google Slides. Show students the [bouncing ball examples](#) and then demonstrate how to create a Bouncing Ball animation using [the Student Instructions](#).

Encourage students to be creative and use different types of balls or objects. They should choose backgrounds that work with the object they chose. To have the completed animation run for 10 seconds you'll need at least 100 slides (10 frames per second x 10 seconds = 100 slides).

Once students complete the animation, they can share it with by sending you the published URL with the timings changed. You can also share a Google Doc with the class and have each student link their final URL to their name. This way everyone in the class can see each others' animations.

Materials

- Google Slides (you can also use PowerPoint)
- Google Docs*
- Images for balls and backgrounds

Resources

[Ball Bounce demonstration](#)

[Steamboat Willie](#)

[The Traditional Animation Process](#)

