

Aviation

L1 Custom Kites



Set the Stage: [Making a simple kite](#), video: 2 minutes, 29 seconds

Resources: [How do kites fly in the sky?](#) video: 3 minutes, 47 seconds

Activity: How do Kites Work?

Procedure: After the intro video – Engage Let’s make our kites! You may want to play the video again and pause for each step. Let’s go outside and fly!

Questions to ask after flying kites:

- How does the kite stay in the air? (Wind pushing it)
- What causes lift? (Upward air pushing from below)
- Does the size of your kite affect how it flies (larger or smaller, what works best?)
Answers will vary.

On day 2:

- Help your child make alterations to their kites that they think will help enhance its flight capabilities.
- If you have more than one child, you can create a competition to see who can make a kite that stays in the air the longest.

Materials

Computer and access to the Internet

Per Child:

- One sheet of colored construction paper
- A bamboo skewer
- String ball
- Colored Streamers
- Pair of scissors
- Tape

Note to parents – You may choose to play the videos in reverse order, i.e. – Learning why kites fly, and then playing and stopping as needed the kite construction video.

Standards

Standards addressed by this activity - BSB – The Do Place: Academic Standards: SC8/1/3.B, SC8/1/3.C, SC8/4/3.A, SC8/1/4.3.C, National Standards: ISTE – 4A, Benchmark: B/E2, 4B/E4, 3B/M4B, and NGSS: 3-5-ETS1.B.3, 3-5-ETS1.C.1, MS ETS1.B.3, 4-ETS1.B.2, 3-5-ETS1.B.1, MS-ETS1.B.6, MS-ETS1.B.1, and K-2-ETS1.C.1.