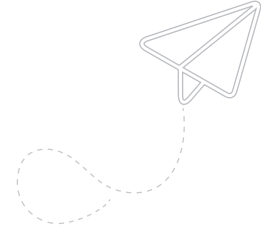


# Aviation

## L4 Other Forms of Flight



**Set the Stage:** [How do helicopters work?](#), video: 8 minutes, 07 seconds; might need to stop and talk

**Resources:** Attached file, "FETCH Hang Time," helicopter cut out pattern.

### Activity: How do Helicopters Work?

Procedure: After the intro video – use the handout above "FETCH Hang Time"

Paper Helicopter - Next, using the helicopter cut out pattern, students make and then fly paper choppers.

- Make your copter. Cut out the copter printed on this page. Cut along the dotted lines. Assemble it as shown.
- Launch your copter. Hold your copter as high as you can. Let go and watch as it falls. Does it spin to the ground?
- Add the fan. ASK – What changed?
- **Have a competition! Best hang time wins!**

### Materials

- Computer and access to the Internet
- Stopwatch
- White printer paper or graph paper (kids can count the squares)
- Scissors
- Paper clips; one large and one small
- Fan or ceiling fan

### Standards

Standards addressed by this activity - 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.



**Beyond School Bells**  
nebraskachildren