

Ariel Skiing Science

1. How is Ariel skiing like an airplane?

2. How can a skier minimize drag?

3. Why do V shaped skis help with lift?

4. On the back, define lift, gravity, and drag.

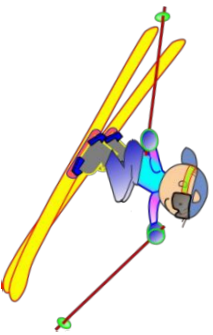


Figure Skating Science

1. How can you get height and speed to get a higher jump?

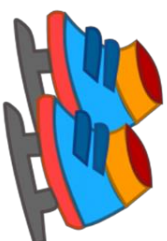
a. -----
b. -----

2. Finish the arrow direction to show the two important components of lift:

Leg force = |

Ice force = |

3. How can a figure skater increase spinning speed?



Downhill Skiing Science

1. In downhill skiing, Newton's 2nd law is the driving force. Fill in the object that shows:

- a. force = -----
- b. object = -----
- c. gravity = -----
- d. friction = -----
- e. resistance = -----

2. What slows skiers down?

3. What can help a skier win the race?

