



Larry Moss
Founder & Creative Director, Airigami

Airi·gam·i (\`er-ʔ-'gā-mʔ\ n: the fine art of folding air) stands at the crossroads of three ancient art forms: sculpture, puppetry and origami.

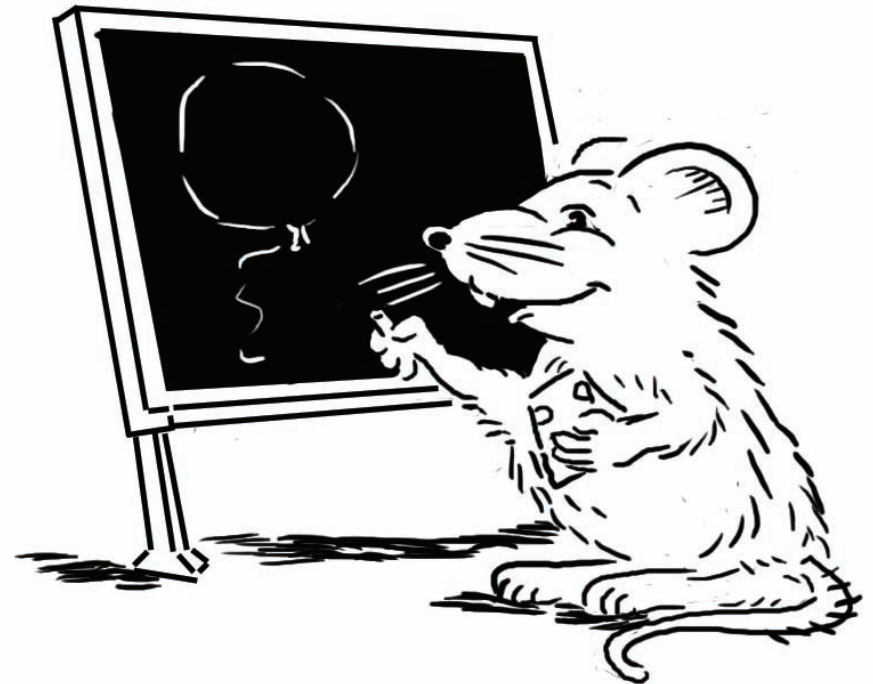
Artist Larry Moss began his career in 1985 as a NYC street performer, but has gone on to display his amazing air-filled art in 12 countries on four continents. His achievements have been recognized by the Guinness Book of World Records, the Associated Press, CNN, PBS, Smithsonian Magazine, American Profile, Cabinet and Ripley's Believe It or Not! He has appeared on The Martha Stewart Show, on NBC's "Today," and at the White House three times.

World-renowned for his "full-blown" installations that enchant both young and old, Larry's work brings people together as only the best public art installations can. His accomplishments include setting and holding the world's record for the largest non-round balloon sculpture (Soccer Players, Belgium, 2000) as well as building and launching the world's first piloted balloon sculpture (Fantastic Flying Octopus, Sodus Point, 2003). He's also the creator of four Balloon Manors - 10,000-square-foot haunted houses made from 100,000 balloons each - which have raised more than \$80,000 for health charities.

The author of many published ballooning books, Larry also has a degree in applied math and computer science, as well as a master's in elementary education. Building community through his large-scale art creations is of particular interest to Larry, and was the focus of his 2009 TEDx talk in Rochester, NY, where he recently opened a working art studio in downtown's Hungerford Building. Find out more about him at www.airigami.com.

How to Catch a Mouse

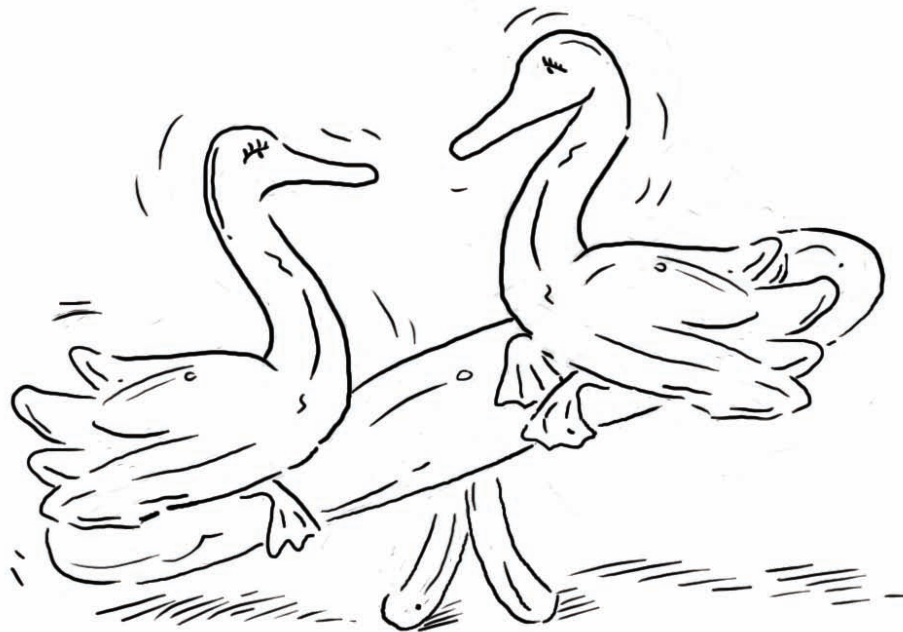
Simple Machines at Work



Some people know science is fun.
Others need to be convinced.

A Unique Learning Experience
Written and performed by Larry Moss
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*Why did the swan cross the road?
It was the chicken's day off.*



Two swans playing on a teeter totter are using
a _____ and a _____.

Taking it to the next level

Look around you. What machines do you see?
In the classroom?
On the playground?
On the way home?
At home?

What problems are they designed to solve?

How would you solve them differently?

Design your own machine!
What problem would you solve?
What would the machine look like
What materials would you use?
What simple machines would you combine to make the
bigger machine?



Answers

page 2: lever, fulcrum

page 3: lever

page 4: axle

page 5: pulley

page 6: pulley system

page 7: inclined plane

page 8: air

page 9: energy



A fishing pole is an example of

a _____.



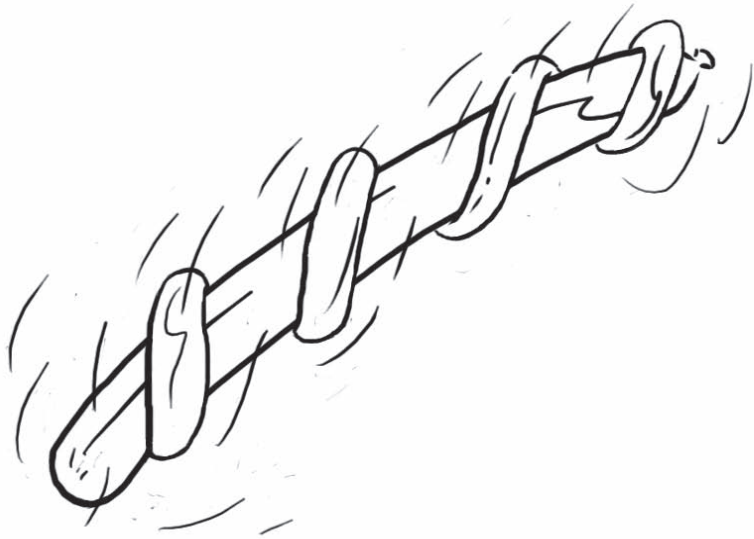
A wheel on a bike needs
an _____ to work.

*How do you stop a dog from
chasing a person on a bike?
Take away his bike.*



Air is stored inside this balloon as fuel.
When the air is released, the fuel is converted into
the _____ needed to move the balloon.

*Wind power is
so popular that
it has a lot of
fans.*

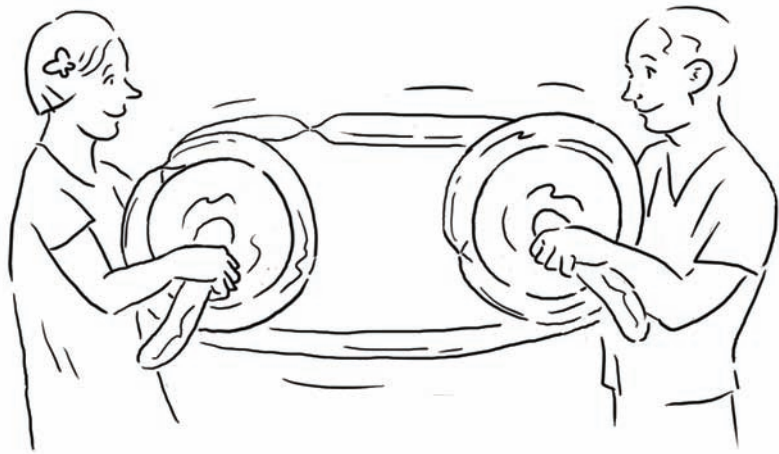


As the screw flies, _____
molecules move up the sides of the
balloon, forcing it to turn.



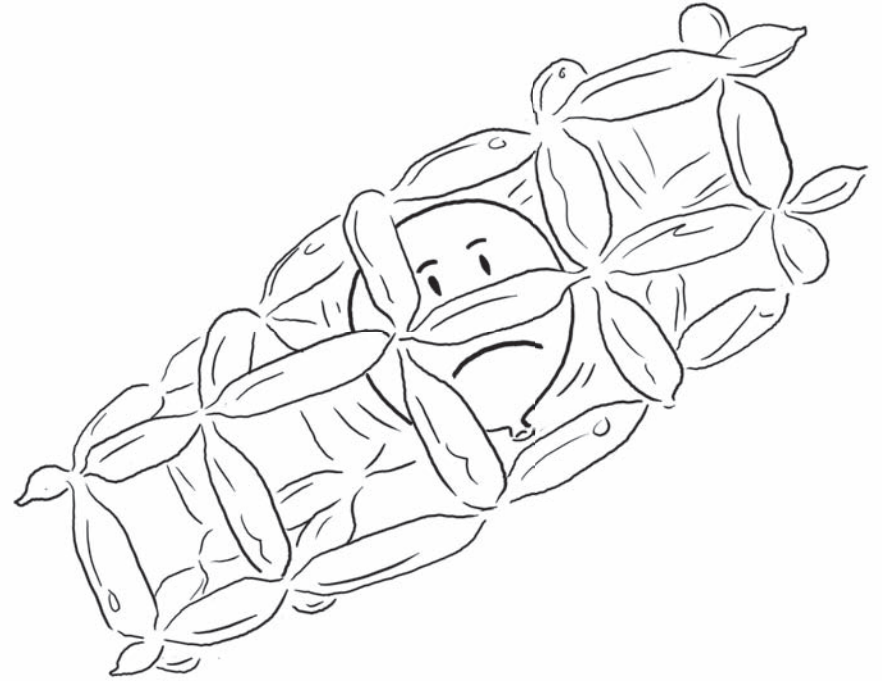
A flagpole uses a _____
to raise the flag to the top of the pole.

*Did you hear about the proofreader at the
M&M factory?
He was fired for throwing away the W's.*



We might use a _____

to move something from
one end of the room to the other.



We use an _____

to move something slowly from one
level to another.