

Biomimicry

Did you know?

Biomimicry comes from the Greek words *bios*, which means “life,” and *mimesis*, “to imitate.”

Biomimicry (bye-oh-MIH-mik-ree) is when people take a great idea from God’s design in creation and use it to solve a problem or invent something. The teeniest-tiniest details found in every created thing reflect His incredible wisdom. When we study the world He made, there’s so much we can learn. Let’s check out some awesome examples of biomimicry today!

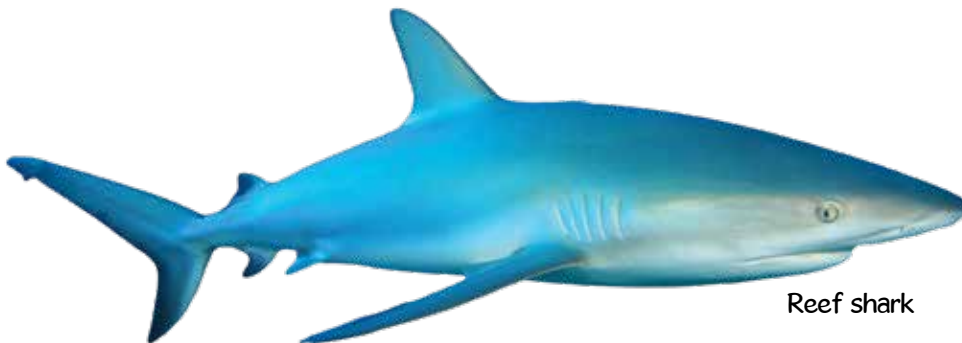
Plant Burrs and Self-Fasteners

In 1941, George de Mestral was walking outside when he noticed burrs attached to his clothes and even his dog’s fur. He later used a microscope to discover that their tiny hooks clung to the loops in his fabric. This led him to develop the popular hook-and-loop fasteners that you’ve probably used on your shoes, jackets, and more!



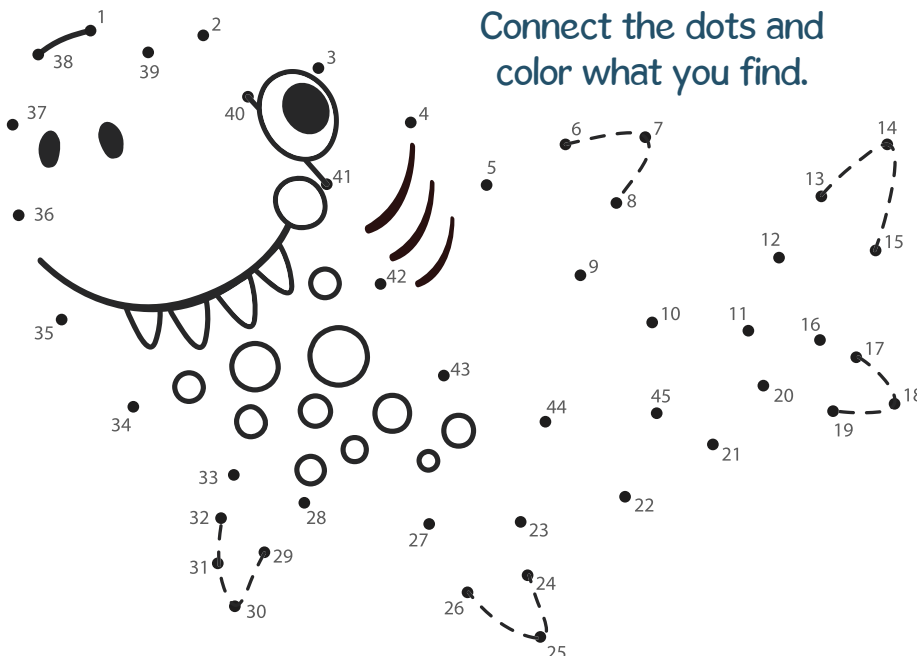
Sharks and Swimsuits

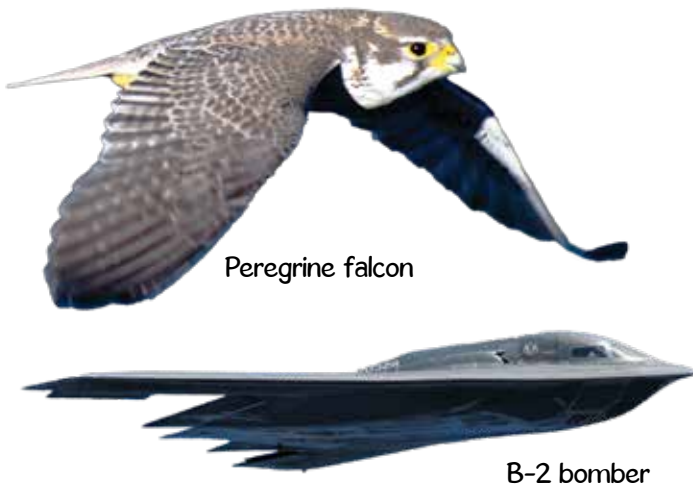
God created sharks with special skin to navigate the seas. It’s lined with tiny scales called dermal denticles that help them swim really, really fast. In recent years, scientists have designed Olympic swimsuits inspired by this fin-tastic shark feature.



Reef shark

Connect the dots and color what you find.



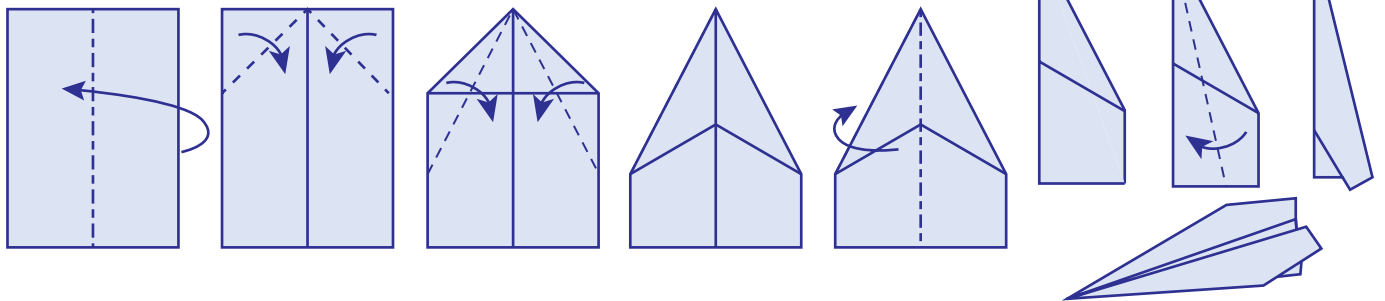


Peregrine Falcon and the B-2 Bomber

Jesus created the peregrine falcon to be the fastest creature on Earth. He designed the Falcon's aerodynamic shape that allows it to dive at over 200 miles per hour!

Human engineers studied the bird's shape and applied it to the cool-looking B-2 Spirit bomber. The B-2 bomber is super fast, stable, and quiet. Its top speed is over 620 miles per hour, and from the side it looks like a diving falcon!

Make your own paper airplane.



Word Search

I	R	N	M	A	K	I	K	Q	B	E	G	R	T
K	M	A	G	O	T	U	A	I	E	L	Q	H	E
V	R	Q	V	I	P	W	O	O	K	U	G	I	R
D	G	U	S	M	S	M	U	Z	U	I	X	S	A
O	G	U	S	C	I	E	V	B	L	J	Z	M	Y
K	A	O	G	M	I	S	D	F	Q	H	V	J	H
E	S	H	I	N	V	E	N	T	I	O	N	Z	R
S	Z	C	I	W	J	N	N	I	W	B	P	K	S
N	R	H	Y	D	O	C	E	C	L	J	S	I	M
Y	N	O	I	T	A	E	R	C	E	Q	C	M	H
Q	Y	M	E	O	U	F	U	X	D	S	A	Z	D
B	Q	R	U	H	K	L	T	K	L	A	P	P	E
I	F	E	P	H	Y	O	A	T	X	N	P	K	S
K	U	J	F	H	Z	U	N	Z	A	X	U	V	W

biomimicry

flight

creation

design

science

invention

nature



Scavenger Hunt

Go on a walk outside. Note any animals, plants, or other things you see in creation. What makes them unique? How could their design be adapted to help solve human problems?