

Biodesign Lab

Learn How Animals, Plants, And Ecosystems Solve Problems



Camp Programme

Each day is packed with engaging activities and fascinating discoveries. Here's a glimpse of what awaits:

Day 1: Nature's Genius

- Nature's Genius: What Is Biomimicry?
- Superpowered Reptiles: Scales, Claws & Survival Tech
- Shark-Inspired Aerodynamics: How Nature Shapes Flight and Speed
- Camouflage: Nature's Code of Invisibility

Day 2: Power Plants and Fungi Power

- Power Plants: Nature's Green Engineers
- Chlorophyll: Nature's Solar Panel
- Fungi Power: From Forest Floors to Medicine Labs and Vaccines
- Intelligent Noses: Tracking Nature's Super Sensors

Day 3: Ocean Innovations

- Ocean Heartbeats: Whale Biology and Human Innovation
- Smart, Soft, and Slimy: How Octopuses Inspire Innovation
- X-Ray Eyes and Night Sight: Vision Science from the Animal Kingdom
- The Science of Immortality: Lessons from the Jellyfish

Day 4: Spider Science & More

- Spider Science: Nature's Master Builders and Engineers
- Penguins and Entropy: How Nature Maintains Order in a Changing World
- Build Amazing Wings: Inspired by Dragonflies, Butterflies, and Bees
- Microscopic Marvels: The Incredible World of Tardigrades

Day 5: Nature's Symphony

- Glowing Wonders: The Science of Bioluminescence in Nature — From Fireflies to Glowworms
- Insect Innovations: Secrets from Nature's Tiny Engineers
- Nature's Navigators: How Animals Use Magnetic Sense to Migrate and Find Their Way
- Cicada Sound Science: Lessons from Nature's Rhythmic Orchestra