BIOMIMICRY
YOUTH DESIGN CHALLENGE

MIMIC INSTRUCTIONAL APPROACH
FOR BIOMIMICRY DESIGN PROJECTS

MOTIVATE
Get inspired! Motivate your team by exploring biomimicry. Discover how the unique abilities of organisms help them to survive and thrive, and how people have been inspired by them to design solutions to challenging problems.

INVESTIGATE
Investigate the causes and effects of a sustainability problem you would like to solve. Identify the impact your solution will need to have to address the problem effectively.

MATCH
Explore how nature has solved problems similar to yours by matching what you need your design to do with organisms that have similar abilities. Examine the features of these organisms and why they have those abilities, and determine which organisms could inspire your solution.

INNOVATE
Create a biomimicry innovation that would help solve your selected problem. Refine your innovation after evaluating its strengths and weaknesses.

COMMUNICATE
Use evidence to explain how your biomimicry design solves the selected problem and how nature has inspired it.

©2019 Biomimicry Institute | biomimicry.org
youthchallenge.biomimicry.org | All rights reserved