



YALE NATIONAL INITIATIVE

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Curriculum Units by Fellows of the National Initiative
2023 Volume V: Nature-inspired Solutions to Disease Problems

Nature Says Do This: Solving Problems by Mimicking Nature

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Why do a submarine and a whale look so similar? Where did the idea of Velcro come from? Where did the design of airplanes come from? The simple answer to these questions is nature. We have been inspired by nature to solve problems in our world. This four to six-week unit for kindergarten students will serve as an introduction to biomimicry and biodiversity, and how these impact our everyday lives. Students will have an opportunity to learn about many machines, tools, and medicines that have been inspired by the natural world, in order to solve human problems.

(Developed for Science, grade K; recommended for Science and ELA, grades K-2)

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