



## Bioengineering: Discover How Nature Inspires Human Designs (Build It Yourself)

By Christine Burillo-Kirch

Nomad Press. Paperback. Condition: New. Alexis Cornell (illustrator). 128 pages. Dimensions: 8.0in. x 0.0in. x 10.0in. In Bioengineering: Discover How Nature Inspires Human Designs, young readers explore designs and innovations that come from nature. Leonardo da Vinci studied birds wings to draw his design of a man-made flying machine and engineers still look to birds when attempting to make planes more aerodynamic. Sharkskin is perfectly suited for spending long hours underwater, so that's what researchers focus on when designing diving suits. And a burr on your shirt from walking through a field sticks like Velcro, doesn't it? The plant and animal world provides engineers and scientists with a host of ideas to apply to the human world to make it a better place to live. Bioengineering explores different fields, including communication, transportation, and construction, and follows the process of engineering from the raw material of the natural world to the products we use in the human world every day. Activities such as designing cars based on boxfish and inventing a new fabric that mimics pinecone behavior require kids to think critically about their own needs and find creative ideas to fulfill those needs using designs from nature. Essential questions and links...



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