Diseño Sostenible con Bioimitación

REFERENCIA DEL AULA

Currículo

Principios de Diseño para la Química Verde y Sostenible y la Ingeniería
https://www.acs.org/content/acs/en/greenchemistry/principles.html

Beyond Benign

- Introductory Matching Game
  https://www.beyondbenign.org/lessons/intro-biomimicry-matching-game
- Advanced biomimicry matching game
  https://www.beyondbenign.org/lessons/advanced-biomimicry-matching-game
- Sustainable STEM: Surefire Sharklet Lab (Grados 6-9)
  https://www.beyondbenign.org/curriculum_topic/ms-sustainable-stem
- Secrets of Sharks' Skin (Grados K-5)
  https://www.beyondbenign.org/curriculum_topic/es-4th-grade

Ask Nature
https://asknature.org/

- Mussels inspire wood glue
  https://asknature.org/idea/purebond-technology
- Gecko-inspired bandage
  https://asknature.org/idea/gecko-inspired-bandage
- Sharklet surface texture
  https://asknature.org/idea/sharklet-surface-texture

Biomimicry Institute
https://biomimicry.org

Química Verde en Ecología
https://ecology.wa.gov/GreenChem

Ganadores del Reto de Química Verde
https://www.epa.gov/greenchemistry/green-chemistry-challenge-winners

Vídeos

- Velcro (Grados 1-4)
  https://bit.ly/velcro-video
- How Do Geckos Climb?- (Grados 1-5)
  https://bit.ly/geckos-video
- Gecko feet (English and Spanish) (Grados 4-6)
  https://bit.ly/geckofeet-video
- Biomimicry
  https://bit.ly/biomimicry-video

Referencias

1 Deynat, Pascal. "Dermal denticles of a lemon shark viewed through a scanning electron microscope." Creative Commons

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