II. Biomimicry & Nature-Inspired Design:

- A. General Principles & Examples:
 - What We Can Learn From Nature | Janine Beynus

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Relevance: A general introduction to biomimicry by Janine Benyus, a prominent figure in the field.

- Use: Introduction to biomimicry, overview of its principles.
- Biomimicry is more than just good design.

Biomimicry is more than just good design.

Relevance: Discusses the broader implications of biomimicry beyond aesthetics.

- Use: Discussion of the philosophical and ethical dimensions of biomimicry.
- Nature-inspired architecture | Austris Mailitis | TEDxRiga
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Relevance: A TEDx talk on nature-inspired architecture.

- Use: Examples of nature-inspired design, broader context of biomimicry.
- Biomimicry: Design Inspired by Nature

Biomimicry: Design Inspired by Nature

Relevance: Another general overview of biomimicry and its applications in design.

- **Use:** Introduction to biomimicry, examples from various fields.
- B. Specific Examples (Slime Mold, Termites, Sponge):
 - How a Slime Mold designed the Tokyo Railway System

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Relevance: Explains the famous experiment where slime mold behavior was used to model the Tokyo railway system.

- Use: Case study, example of network optimization inspired by nature.
- The Insane Biology of: Slime Mold

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Relevance: Explores the biological properties of slime mold.

- Use: Scientific background on slime mold behavior.
- Heather Barnett: What humans can learn from semi-intelligent slime

Heather Barnett: What humans can learn from semi-intelligent slime - YouTube

Relevance: A TED talk on the potential applications of slime mold research.

- **Use:** Broader implications of slime mold research, potential for future applications.
- Slime Mold Grows Network Just Like Tokyo Rail System
 Slime Mold Grows Network Just Like Tokyo Rail System
 Relevance: Another video demonstrating the slime mold experiment.
- Use: Visual demonstration of the slime mold experiment.
- Experiments with LIVING SLIME have jaw dropping results! BBC
 Experiments with LIVING SLIME have jaw dropping results! BBC
 Relevance: A BBC report on slime mold experiments.
- Use: General overview of slime mold research and its potential.
- See How Termites Inspired a Building That Can Cool Itself | Decoder See How Termites Inspired a Building That Can Cool Itself | Decoder Relevance: Discusses the Eastgate Centre in Zimbabwe, a building inspired by termite mounds for passive cooling.
- **Use:** Case study, example of biomimicry in architecture (mentioned in the lecture).
- Mimicking This Tiny Glass Sponge For Stronger, Lightweight Modular Building Materials

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- **Relevance:** Explores how the structure of a glass sponge is being used to inspire new building materials.
- **Use:** Example of biomimicry in materials science, potential for future applications in architecture.