



**Lower School Science**  
**Deborah Eames**  
**Curriculum Overview**

Grade 1

- Investigate food production, plant growth and gardening practices in the greenhouse and raised bed gardens
- Carefully record observations and data
- Learn to use different measurement tools
- Practice the steps of the inquiry process
- Learn about animal adaptations through study of worms and penguins
- Develop a connection with the natural world and seasonal change through outdoor exploration and nature play in Tower's woods

Grade 2

- Investigate plant growth, reproduction and gardening practices in the greenhouse and raised bed gardens
- Develop a system for carefully recording observations
- Use collected data to form a conclusion
- Learn about the systems of the body and how they work together
- Learn about animal adaptation and develop environmental awareness
- Develop a connection to our natural environment through the ecology, weather, biology and geology in Tower's woods

Grade 3

- Experiment with plant needs, growth, and reproduction to enrich practices in the greenhouse and raised bed gardens
- Understand the forces that create strength architecture, and use this knowledge to complete a bridge design project
- Learn about exploration and human knowledge of the solar system
- Use the inquiry method to learn about polymerization of glue-based slime
- Learn about animal anatomy and adaptation in the deep ocean through study of squid
- Deepen an understanding of our natural environment through the ecology, weather, biology and geology in Tower's woods