



## Next Generation Science in the Garden Workshop Agenda 9:30 - 3:30 Day 1

- 9:30**      **Welcome, Introductions**
- 9:50**      **NGSS Lesson vs Traditional Lesson**  
Activity: [Parts of the Plant](#)  
Debrief: What do scientists do? What makes NGSS different?
- 10:10**      **Next Generation Science in the Garden**  
Presentation: Three dimensions of NGSS - Disciplinary Core Ideas, Science and Engineering Practices and Cross-Cutting concepts
- 10:30**      **Break**
- 10:45**      **Model NGSS Lesson: Integrating Disciplinary Core Ideas with Science and Engineering Practices**  
Sample 2nd Grade Lesson: [Seed Ya Later - Preview from New Life Lab NGSS Lessons coming out soon!](#)  
Debrief: Identifying the 3 dimensions of NGSS in the Lesson
- 11:30**      **Lesson Planning with the 5E's: Engage, Explore, Explain, Elaborate, Evaluate**  
Read about and discuss lesson planning with the 5E's
- 12:00**      **Lunch**
- 12:45**      **Science and Engineering Practice Circus**  
Learn about and explore the 8 Science and Engineering Practices through sample garden activities

- 1:45**      **Model NGSS Lesson: Integrating Disciplinary Core Ideas, Practices, and Crosscutting Concepts into Performance Expectations**  
Sample 1st Grade Lesson: [Designing Garden Stands Inspired by Nature - Preview from New Life Lab NGSS Lessons \*coming out soon!\*](#)  
Debrief: Identifying the 3 Strands of NGSS in the Lesson
- 2:20**      **Break**
- 2:30**      **“NGSS-ify” a Lesson**  
Explore and modify an existing garden lesson for NGSS alignment opportunities
- 3:15**      **Q and A, Reflections, Closing**





## Next Generation Science in the Garden Workshop Agenda 9:30 - 3:30 Day 2

- 9:30**      **Welcome and Reflections**
- 9:45**      **NGSS Scavenger Hunt**  
Explore opportunities the garden presents for teaching NGSS Disciplinary Core Ideas, Practices, and Crosscutting Concepts
- 10:05**      **Strategies for Communicating, Clarifying and Revising Scientific Thinking**  
*Strategy: Vocab in Action*  
Focus Question: How do plants make more plants?  
*Strategy: Developing and Using a Model*
- 10:45**      **Break**
- 11:00**      **Science and Engineering Practice: Developing and Using Models**  
Activity: [Flower Power Part 2](#), [The Growing Classroom 231](#)  
*Strategy: Exploration Before Explanation*  
*Strategy: Addition of New Information with Visuals*  
*Strategy: Revising Models in Pairs*
- 12:00**      **Lunch**
- 12:45**      **Pollinator Observation**  
Activity: Focused Pollinator Observation  
Debrief: Opportunities for Science Notebooking in the Garden

**1:00 Science and Engineering Practice: Engaging in Arguments from Evidence**

Strategy: Claim Carousel

Strategy: Science Talk

- Purpose of Science Talks
- Agreements for Science Talks
- Science Talk: Discuss Claims, Evidence and Reasoning

Debrief: Opportunities for Claim Carousels and Science Talks in (or About) the Garden

**2:00 Break**

**2:15 Small Group Work: Developing an NGSS Garden Lesson**

Sequence and modify existing activities (or create new ones!) to develop an Engage, Explore, Explain, Elaborate and Evaluate for your lesson  
Identify the Science and Engineering Practice for your lesson

**3:15 Closing**

