



## **G3** Lessons at a Glance: Daily Supplies List

Note: any additional supporting documents (including model anchor charts and any printable or downloadable files) referenced in a lesson can be found in the "Supporting Files" section for that day's lesson.

LESSON	MINI-LESSON	INQUIRY CIRCLES	SCIENCE INVESTIGATION
Day 1: Why Do Scientists Work in Teams?	Teacher needs:	Each team needs:  • list of North American ecosystems • exploratory texts (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs: • list of North American ecosystems for research (aquatic polar, desert, tundra, ocean, temperate forest, or grassland) • "Ecosystem Resources" spreadsheet	Each team needs:  air-dry clay to create model  access to the shoebox with diatom model inside  Teacher needs:  prepared shoebox with diatom model inside  An object with 3 dimensions to model with  Setup: see Day 1 lesson plan
Day 2: What's the Green Stuff in the Jar?	Teacher needs:	Each team needs:	Each team member needs:

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Day 3: What Do We Know about the Green Substance?	Teacher needs:	Each team needs: • team Inquiry Chart • pencils • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs: • class Inquiry Chart (pond ecosystem)	Each team member needs:
Day 4: What Makes a Good Science Question?	Teacher needs:	Each team needs:     • team Inquiry Chart     • pencils     • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs:     • class Inquiry Chart (pond ecosystem)     • exploratory text, website, or eBook about pond ecosystems to model the strategy	Each team member needs:

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Day 5: What Kind of Information Will I Collect?	Teacher needs:	Each team needs:  • team Inquiry Chart  • pencils  • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs:  • class Inquiry Chart (pond ecosystem)  • exploratory text, website, or eBook about pond ecosystems to model the strategy	Each team member needs:
Day 6: Setting Up Learner Investigations	Teacher needs:	Each team needs:  • team Inquiry Chart  • pencils  • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs:  • class Inquiry Chart (pond ecosystem)  • exploratory text, website, or eBook about pond ecosystems to model the strategy	Each team member needs:

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Day 7: Why Do Certain Organisms Live in the Same Place?	Practice Day	Each team needs:  • team Inquiry Chart  • pencils  • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs:  • class Inquiry Chart (pond ecosystem)  • exploratory text, website, or eBook about pond ecosystems to model the strategy (optional)	Each team member needs:
Day 8: Why Are Producers So Important?	Teacher needs:     • chart paper     • marker(s)     • "Making Connections" anchor chart as a model	Each team needs: • team Inquiry Chart • pencils • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs: • class Inquiry Chart • exploratory text, website, or eBook about pond ecosystems to model the strategy (optional)	Each team member needs:     • science notebook     • pencil  Each team needs:     • one set of 5 Organism Cards that make up a simple food chain (includes the Sun; teacher will need to sort ahead of time)     • 3 food chain arrows  Teacher needs:     • Organism Cards from Day 7     • "Food Chain Arrows" sheet     • "Food Chain answer key" PPT     • rubber bands or baggies  Setup: see Day 8 lesson plan
Day 9: Who Are the Producers in Aquatic Systems?	Practice Day	Each team needs: • team Inquiry Chart • pencils • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs: • class Inquiry Chart (pond ecosystem)	Each team member needs:

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LESSON  Day 10:  What Is Algae?	MINI-LESSON  Teacher needs:	INQUIRY CIRCLES  Each team needs: • team Inquiry Chart • pencils • exploratory texts/media (see the "Ecosystem Resources" spreadsheet for ideas)  Teacher needs: • class Inquiry Chart (pond ecosystem)	Each team member needs:
			containers of the green substance pipettes paper towels "Chlorella vulgaris algae" images plastic bags 1 container to be used as a "catch bucket" for disposal of samples  Setup: see Day 10 lesson plan
Day 11: Can Changes in a Food Chain Affect an Ecosystem?	Practice Day (Synthesizing)	Each team member needs:	Each team member needs:
Day 12: What Is Scientific Evidence?	Practice Day (Synthesizing)	Each team member needs:	Each team member needs:  • science notebook  • pencil  Each team needs:  • Team CER Chart  • Team Data Log  Teacher needs:  • "Data Log Example" sheet  • "CER Chart Example" sheet  • "Shades of Green" color chart  • "Algae in a Bottle" image  Setup: see Day 12 lesson plan

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Day 13: Preparing for a Science Meeting (Part 1)	Each team needs: • science notebook with all documents, notes, etc. • materials to make chosen product, including traditional materials (e.g., paper and writing/drawing materials) • access to team Inquiry Chart, Team Data Log, and Team CER Chart  Setup: see Day 13 lesson plan		
Day 14: Preparing for a Science Meeting (Part 2)	Each team needs:  • science notebook with all documents, notes, etc.  • materials to make chosen product, including traditional materials (e.g., paper and writing/drawing materials)  • access to team Inquiry Chart, Team Data Log, and Team CER Chart  • "Examples of How to Display Data" sheet (optional)  Setup: see Day 14 lesson plan		
Day 15: The Science Meeting!	The Science Meeting  Each team needs:		