

# Gale Lesson Plan

## *Gale In Context: Environmental Studies Save the Bees Action Plan*

**GRADE LEVEL:** 9-12

**SUBJECT/CONTENT:** Science, current events, critical thinking

**SUMMARY OF LESSON:** Students will utilize *Gale In Context: Environmental Studies* to explore the issues and impacts surrounding colony collapse disorder and the loss of bees as pollinators. Students will develop action plans to promote healthy bee colonies and increase the overall bee populations.

**FOCUS QUESTIONS:** How can humans save bee species from extinction? What are the consequences if we don't?

**RESOURCE:** *Gale In Context: Environmental Studies*

**LEARNING EXPECTATION:** As a result of the lesson, students will have actionable plans to support bee populations, and be able to share those ideas with others.

**Materials Needed:** Computer with access to *Gale In Context: Environmental Studies*

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## PROCEDURES:

### Steps/Activities by the Teacher:

- Provide students with information on how to use the tools found within *Gale In Context: Environmental Studies*. You can utilize the tutorials listed below for reference.
  - Downloading and Sending to Google Drive and Microsoft OneDrive: <https://support.gale.com/doc/galetools-video3>
  - Citation Tool: <https://support.gale.com/doc/galetools-video1>
  - Highlights and Notes: <https://support.gale.com/doc/galetools-video2>
  - Topic Finder: <https://support.gale.com/doc/galetools-video6>
- Write the focus questions on the board and keep them there for the duration of the activity.
- Distribute the action plan guidelines and expectations (attached).
- While this activity can be completed individually, consider breaking the class into groups for easier collaboration.

### Steps/Activities by Student(s):

- Students will utilize *Gale In Context: Environmental Studies* to research issues surrounding bees, colony collapse disorder, and pollination.
- Students will save their research to **Google Drive** or **Microsoft OneDrive** for use later.
- Students will build their action plans based on their research. They will use the citation tool to build a correctly formatted reference page.
- Students will present their action plans to the class.

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### STUDENT INSTRUCTIONS:

In this project you are tasked with researching bees, colony collapse disorder, and human-bee interaction. You will build a plan of action to save bee populations based on the information you uncover during your research. You will be required to share this plan with the class using visual aids of your choice.

To complete your research, you will be using the online resource *Gale In Context: Environmental Studies*, which contains articles, pictures, videos, and more to build your knowledge and support your plan of action. Use **Highlights and Notes** to remember important parts of the articles you find and save your information by sending over to your drive. Finally, utilize the **Citation** tool to copy and paste into your reference page.

Detailed requirements are listed below for you.

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This project contains two assignments, an action plan research paper, and a presentation of that action plan.

### ACTION PLAN:

- 2–4 page report giving the background of the issues, what’s currently being done, and your recommendations moving forward.
- MLA formatting including at least three references (don’t forget the **Citation** tool!).

### PRESENTATION

- 2-3 minute presentation detailing your action plan to support bee populations.
- Presentation should include a visual element, like a poster or PowerPoint.
- This presentation should sum up the information included in you action plan but should not be you reading directly from your plan.

Element	0 Points	5 Points	10 Points
Action Plan	Does not complete a written action plan.	Completes an action plan but does not go into detail about the issues researched.	Completes a full action plan and has a deep understanding of their research.
Presentation	Does not complete a presentation.	Presents findings, but the presentation is incomplete or lacks a visual aid.	Presents action plan including in depth details and knowledge.
Writing/Mechanics	Does not have a completed work.	Has a full body of work, but lacking in grammar, citations, or mechanics.	Has a fully body of work with appropriate grammar, citations, and mechanics.

Total: /30

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## LESSON MODIFICATIONS:

### Discussion Topic:

- Utilizing *Gale In Context: Environmental Studies*, find an article for students to read and discuss. You can use the **Google Classroom** integration, **LMS** integration, or send to your **Google Drive/ Microsoft Drive**.
- **Advanced Search** allows you to narrow down to specific content types and results.
- Have students read the article and respond in the discussion post with how they could support bee populations.

### Simplified Research Activity:

- Direct students to the **Bees Topic Page** within *Gale In Context: Environmental Studies* (you can access this page by searching “Bees” and selecting the bolded option that appears).
- Have students break into groups of no more than four.
- Task each group with finding an article of interest and approve each article to ensure no two groups are reading the same.
- Have each group read and summarize their article, then present the information to the class.

### Extended Research Activity:

- Have students complete their research and build their plan of action.
- In addition to developing the steps to their plan, have students develop an expected cost model, suggestions for promotion, and a logo for their cause/solution.
- Require students to enact one step in their plan of action. It could be writing a social media post, reaching out to an elected official, or planting wildflowers.