



Kentucky Green and Healthy Schools Student Project Form



ENERGY



GREEN SPACES



**HAZARDOUS
CHEMICALS**



**HEALTH &
SAFETY**



**INDOOR AIR
QUALITY**



SOLID WASTE



TRANSPORTATION



WATER

Instructions

KGHS Mission: Empowering students to create healthier, safer and more environmentally sustainable schools and communities.

Project Goal: Using the school grounds as a learning laboratory, a Green Team of students and staff engage in an authentic interdisciplinary learning experience that results in a sustainable improvement to their school.

Next Generation Science Standards: Members of the Green Team will engage in all three dimensions of the Next Generation Science Standards as they implement each step of the Project Outline. The Science and Engineering Practices, listed below, are a focal point regardless of specific content selected for the KHKS Project.

- Asking questions and defining problems
- Planning and carrying out investigations
- Analyzing and interpreting data
- Developing and using models
- Constructing explanations and designing solutions
- Engaging in argumentation from evidence
- Using mathematics and computational thinking
- Obtaining, evaluating, and communicating information



Green Team: Project Outline directions are provided for the school's Green Team, comprised of core group of students and facilitating teacher as well as a variety of community members—maintenance workers, cafeteria staff, administrators, etc. This is grouping is flexible! In the past, schools have conducted the project through an afterschool program or club, and have included entire grade levels that work on the project during the school day. Chose what works best for you and your school.

Flexibility and Creativity: Complete all steps in the Project Outline below, but feel free to be creative in your documentation. When possible, incorporate technology to enhance the learning experience.

Additional resources: There are [Teacher Guides](#) for each category, and teachers may contact the KGHS coordinator at KGHS@ky.gov or 502-564-5937 for help at any time.





Project Outline

Students should lead the planning, implementation and documentation of each step of the Project Outline. The teacher serves as a facilitator by giving guidance and support for student ideas.

1. **Category:** Choose a KGHS category:
2. **Investigation:** Thoroughly investigate how resources in this category are used throughout the school, school grounds and/or the surrounding area. Closely observe features of the school buildings, grounds and equipment. Talk to anyone on the school staff or in the community who could help investigate the category. Ask questions (e.g., Where does our waste water go? Which chemicals are hazardous?). Document the questions (in this form or separately).
3. **Research:** Research the answers to the questions from your Investigation. Think of possible ways to improve the health, safety or environmental sustainability of the school/campus. Document the improvement ideas (in this form or separately).
4. **Idea:** Choose one idea to be the improvement project. Describe the improvement project and explain why it would result in a healthier, safer or more environmentally sustainable school/campus:
5. **Evidence:** Gather evidence and data that supports the need for the improvement project. Document the evidence and data using pictures, video, journals, charts or any appropriate medium or technology. **All collected data should be submitted, along with this form, when the project is complete.**





6. **Plan:** Describe (in this form or separately) the plan for the improvement project. Include:
 - a. Measurable and achievable goals (tons of waste recycled, gallons of water saved, pounds of food produced, etc.)
 - b. How the team will involve other students, staff and school leaders in the project
 - c. How the team will promote the project in the community
 - d. Resources and possible funding sources
 - e. Implementation steps with projected deadlines
7. **Implementation:** Implement the improvement project. Document the ongoing progress of your written plan and collect data using pictures, video, journals, charts or any appropriate medium or technology. **All collected data should be submitted, along with this form, when the project is complete.**
8. **Results:** Evaluate and describe (in this form or separately) the results of the improvement project. Include:
 - a. Data showing whether goals were achieved or not
 - b. How the team involved other students, staff and school leaders
 - c. How the team promoted the project in your community





8. **Results (continued):**

- d. Resources and funding that were used

- e. Overall impact of the improvement project on the school/campus

- f. What went well and what you would do differently if you did the project again

9. **Submission:** Send this form **along with all collected data and supporting documentation** to KGHS@ky.gov.

10. **(Optional) Recognition:** Attend the KGHS and KY NEED Youth Summit and Awards event to share your project with other students and schools, and get ideas for future projects from other school participants!

School and Participant Information

School Name:

County:

School District:

Teacher Leader (First and Last name):

Teacher Leader Email:

Student Participants: If your school district privacy policy allows, please list the SSID of each student who participated in this project. If you are unable to provide the SSID, please provide the number of each students from each grade level who participated.

