

STORM DRAIN DECAL INSTALLATION PROJECT

Description:

Students install “no dumping/drains to waterways” decals and distribute educational door hangers following a map of a neighborhood to find the storm drains.

Objective:

- Students will understand how Omaha’s local watershed contributes to regional, national, and worldwide water bodies.
- Students will comprehend how communities contribute to water pollution and actions they can take to reduce their impact.
- Students will participate in service-learning activities in their neighborhood to help mitigate water pollution.

Standards:

2nd Grade

- SS 2.1.2.d Investigate ways to be actively engaged to improve family, school, and community.
- SS 2.3.1.c Identify and apply map elements.

3rd Grade

- SS 3.1.2.a Identify and model rights and responsibilities of citizens at the community level. For example: voting, public service, service learning projects
- SS 3.3.1.a Identify and apply map elements.
- SS 3.3.1.b Use a map to identify location and distribution of physical and human features.

4th Grade

- SS 4.1.2.a Identify and model rights and responsibilities of citizens at the state level. For example: voting, public service, service learning projects

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Materials:

- Maps
- Door hangers
- Storm drain decals and tar stickers
- Team bags, each with a clipboard, putty spatula, dustpan and broom, pen, disposable gloves, and trash bag

NOTE: please be sure to contact Keep Omaha Beautiful in advance of your project for your personalized project maps and supplies - quantities of supplies and locations for projects will vary based on the individual needs of each group.

Background Info:

Check out the following video for details and instructions about this project:

- <https://www.keepomahabeautiful.org/what-we-do/programs/stormwater-pollution-prevention.html>

Check out this video for further information about how we can Protect our Waters and how pollutants in Omaha affect our water all the way to the Gulf of Mexico.

- <https://youtu.be/Dk5bNF9HEOE>

Activity:

1. Organize your volunteers into groups. It is recommended that each group consist of 6 students and 1 adult. Assign each team member a task: 1 map reader/marker, 1 traffic patrol, 1 drain cleaning/litter collection, 1 decal installation, 2 door hanger distributors
2. Instruct students on the process. It is strongly encouraged that participants watch the two videos listed in the background information prior to completing this activity.
3. Explain the importance of accurate data collection and how to mark the correct data on the individual maps (X for marked drains, accurate count of door hanger distribution, etc.).

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Activity:

4. Organize and distribute supplies. Each group should have a bag stocked with the following:
 - a. 1 dustpan and broom
 - b. 1 putty spatula
 - c. 1 safety flag
 - d. 1 safety vest
 - e. 1 clipboard (with instructions) and pen
 - f. 1 map
 - g. 1 trash bag
 - h. 2-3 pairs of disposable gloves
 - i. Storm drain decals and tar stickers (number varies - consult your maps to determine how many decals and adhesives to include per bag - it is recommended that you include an extra 3-5 decals and adhesives per bag)
5. Ensure that everyone know where/how to do their tasks and what they are responsible for completing. Discuss safety and the step-by-step process (on the instructions in each bag).
6. Go out and do it! Have fun!
7. If possible, check on groups while they are completing their work.
8. When groups return, double check that each map has accurate notes and information. Clean out project bags and dispose of any waste that groups collected.
9. Discuss the following questions with the whole group:
 - a. What did you think of this project?
 - b. What surprised you about this project?
 - c. How are we contributing to a healthy environment by completing this project?
 - d. Why is it important for us to do a project like this?
10. Use the individual maps to fill out the Completion Form.
11. Clean out each groups' project bag. Place all extra door hangers in one bag and any extra decals and adhesives in another bag.
12. Return your completion form, marked up maps, project bags, and remaining supplies to Keep Omaha Beautiful.

Assessment:

Class Discussion