

Bacliff Community Garden

Rainwater Collection System

Description:

Learn about the collection of rainwater for our garden

Background:

Read and understand the questions below.

Materials:

- Instructor – Lesson Plan including **Picture** of rainwater collection tanks.
- Kids – Note Page

Preparation:

- Make copies of Note Page

Activity:

- Walk over to rainwater tanks and show students the 3 different tanks on property.
- Begin the lesson by asking students what they know about collecting rainwater.
- Explain the process of collecting rainwater from the school.
- Ask the following questions:
 1. Why do you need water for the vegetable garden?
 - Plants need five things to grow: **sunlight, proper temperature, water (moisture), air, and nutrients**
 2. Where can the water come from?
 - Rainwater from the sky
 - Water supplied from the water plant in the city that feeds home and schools
 3. For a garden is it better to use rainwater or process water from the city water plant.
 - Rainwater. Because it has no chemicals in it.
 4. How much water does a vegetable garden need.
 - On average 1 inch a week.
 - Average rainfall in League City each year is 50 inches

Recommended Grade Level:

3-5

Season:

All

Outdoor

Tying It Together:

- Where does water come from in our garden?
 - Rainwater that falls directly on the plants
 - Supplemental rainwater collected from the roof of the school
 - Into 3 -1000-gallon tanks
 - 1 inch of rain collected equals 750 gallons
- How does the water get to the plants on our garden.
 - Through an irrigation system (See Lesson Plan on irrigation system- Sign 7)

Digging Deeper:

Have students follow the water lines from roof to tanks.

<https://www.farmersalmanac.com/collecting-rainwater-35307>

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