

WATER RUNOFF

COOPERATIVE LEARNING

Objective: Students will collect samples of water in order to test for the various substances and impurities found in runoff water from streets, playgrounds, etc...

Background Reference: III A. 3. III A2

Subject: Science

Skills: Data collection, observation and analysis

Materials: Clear plastic, petri dishes, pH paper, pool test kits, collection log.

- Procedure:**
1. Collect samples of water from streets or puddles in different areas in clean bottles, jars. Note any conditions of water clarity (film over water, etc...). Number each sample to correspond to log.
 2. Test samples with pH hydron paper and list results.
 3. Place water in petri dishes and allow to evaporate. Note any results. Also compare with tap water.
 4. Record results on the Collection Log.

Note: Do not allow hands to touch the tap water. Also clean the spigot before taking the samples.

Additional Note: Can be used as a class project (field trip) or students can bring in a sample from near home to make a classroom collection log.

Extensions: Beneath The Shell

Ref. BG or Micro Multipliers

