

Activity Title: Stones Math by Başak YILMAZ from Turkey

Theme: Rock, Stones & Minerals

Month: March

Aim: Using stones to improve students' observation, estimation, inference and measurement skills

Resources/Materials needed: Stones, water, jars, scales, pen, prediction cards

Subject: Math

Activity

Step 1. A little sightseeing is done. During the trip, children's attention is drawn to the surrounding stones. They are asked to examine the stones with the magnifiers in their hands and find the stones of different structures and collect them in the bags.

Step 2. The children remove their stones and examine the size, weight and texture of the stones they have collected. All collected stones are combined and classified according to their characteristics.

Step 3. Children are divided into two groups. One group works with large stones and the other group works with small stones. Each child is given a jar, water is put in and the water level is marked. The children are asked to guess how many

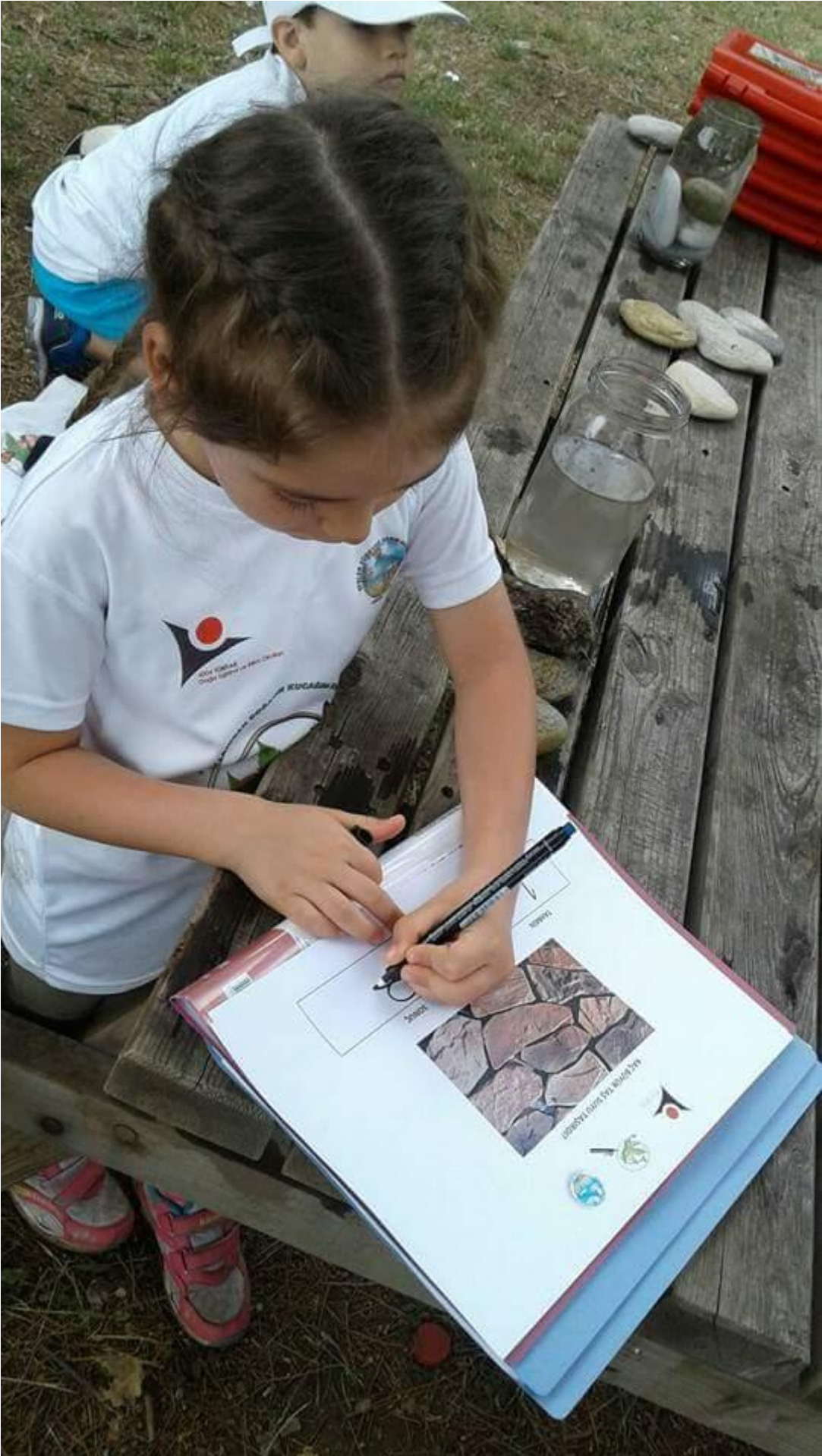
stones they will overflow by looking at the stones in front of them and to write down their predictions on their prediction cards.

Step 4: Then they start to throw the stones into the water and count the stones they threw. When the water is moved, attention is drawn to the increase of the water level and the result is recorded on the forecast card. The closeness of the predictions with the results and whether they make the correct predictions are discussed. The number of stones is compared and it is discussed whether big stones or small stones carry more water. Most - at least how many stones carry water.

Step 5. Each child is asked to take a stone. After calculating whether the stones they received are light or heavy, they are measured by means of scales to learn the weight of the stones. The weight of the prepared stones is recorded in the weight chart. It is determined who belongs to the heaviest and lightest stone. The stones are lined up from heavy to light.

These are the photos and prediction cards for example of this activity:













BIG STONES PREDICTION CARD

KAÇ BÜYÜK TAŞ SUYU TAŞIRDI?



TAHMİN

SONUÇ

--	--

SMALL STONES PREDICTION CARD

KAÇ KÜÇÜK TAŞ SUYU TAŞIRDI?



TAHMİN

SONUÇ

--	--