Te Taumaha — Water Weights

Task:

Approach: One to one

Focus: Buoyancy displacement

Video recording on laptop computer, mug of water, weight, spring balance

maihea = weight ine-taumaha = spring balance \bar{a} whata = scale (for measuring)



VIDEO SCRIPT

Kei te hõpua kaukau a Aroha me tõna tūngane. Ka ngana ia ki te hiki i a Jess, ki te whiu ki roto i te hōpua kaukau. Auē, he taumaha rawa a Jess. Nō muri kē, i a rāua i roto i te wai, ka ngana anō ia ki te hiki i a Jess. Ināianei he māmā noa iho ki te hiki. Pai ana te hiki a Aroha i tōna tūngane ki runga rā anō.

Questions / instructions:

He mahi rorohiko tēnei.

Ka mātakitaki tāua i te whiti ataata. Ka kite koe i ētahi tamariki i te hopua kaukau.

Pāwhiria te pātene Te Taumaha, ka timata te whiti ataata.

I kite koe i a Aroha e hiki ana i tōna tungāne. Kāore e taea e ia tōna tungāne te hiki i te taha o te hopua kaukau. Engari he māmā noa iho te hiki i a ia i roto i te wai.

ai mēnā kei te tika ihea ki roto i te w pa raro. ine i te taumaha t. Make sure the o not touching the ne object in the tuhi ai i te tauma a taumaha. n we will record i . Record weight he taumaha ake, roto i te wai? h more, e water? ai he aha i rerekē ina kuhuna ki te e weight changed water. ort/lift/hold the ok ushes water asic upwards fi	a tō /ai, engari a o object is bottom. water. tha ki its weight t. , he māmā not marked ē ai te wai. d when bject's weight de, producing force on body 4-5 3 2 1
	1
	ina kuhuna ki te weight changed vater. ort/lift/hold the ol ushes water asid upwards f

to throw him into the pool. She finds that Jess is too heavy. Later in the water she tries to lift Jess again. This time it is easy to lift him. He feels much lighter in the water. Alisa can easily lift her brother up high.

Alisa is at the swimming pool with her big brother. She tries to lift Jess up

This activity uses the computer.

Let's start this activity with a video. The video shows some children at the pool.

Click the Water Weights button. The video will start.

The video showed Alisa trying to lift her brother. She couldn't lift him at the side of the pool. But when she got in the water she found it easy to lift him.

38

21

% responses

Commentary:

About half of the students succeeded with two or more of the three marked components.