

Too Heavy to Move?

Video #1 and #2 Kids and Boat:

When you lift things up, what force are you fighting?

Look at the boys in the videos - they could never lift the boats, but they can push them - why? (What force are you fighting in the side-to-side direction?)

Video #3: Strong Man Truck Pull

Pulling 60 tons of trucks is a very impressive feat. But what might make this not as impossible as the average person on the street might think?

Mystery: The Moai of Easter Island

Beginning 800 years ago - long before modern construction equipment - the people of Easter Island carved enormous statues (Moai) out of stone and transported them over many miles around the island. Many still stand today. The average statue is 13 feet high and weighs about 14 tons. Without modern technology how did they move them around the island?

Although a few Easter Islanders still live there, their civilization has collapsed. Why? (These two questions may have the same answer.)

