



## All the way to the ocean – Lesson plan for the 6<sup>th</sup> grade

### Learning objectives:

- To discover the cause-and-effect relationship between **storm drains** and the worlds' oceans and seas.
- To learn what we all can do to reduce the garbage that pollutes the sea and oceans.

### For the teacher: What is a storm drain?

The storm drainage system is designed to carry rainfall runoff. It is not designed to carry sewage or accept hazardous wastes. The runoff is carried in underground pipes or open ditches and discharges the water into the sea.

(It is different from Sewer Drains, which is a system of underground pipes that carries sewage from bathrooms, sinks, kitchens to a wastewater treatment plant where it is filtered, treated and discharged).

1. Today is "Ocean Day" at school – and we will watch a movie about two best friends, Issac and James and how they discover one of the causes of sea pollution.

Before we watch the movie, here are some new words to learn (you may know some of them).

### Vocabulary:

ocean – אוקיאנוס	drain – ניקוז	trash, garbage – זבל, אשפה
marine life – החיים במים	storm drain – תעלת ניקוז	pollution – זיהום
marine animals – בעלי חיים ימיים	gutter – ביב/תעלה	polluted – מזוהם
environment – סביבה	runoff – נגר, זרימת מים	litter (v) – להשליך פסולת
ecosystem – מערכת אקולוגית		בסביבה
earth – כדור הארץ		dumping – לזרוק
		harmful – מזיק
		cleanup – ניקיון
		dissolves – מתמוסס
		biodegradable – מתכלה
		reusable – רב פעמי

2. Use [this game](#) to discover the meaning of these words in Hebrew. The teacher can read the words in English and the students need to figure out the word in Hebrew.

You can also play [this version](#) of the game after learning the vocabulary.

3. Watch the movie "[All the way to the Ocean](#)". The teacher can stop anytime in order to explain or ask questions. The movie can be stopped at minute 5:48 and fast forwarded to minute 7:23.
4. After watching the movie, discuss it with the students. Here are some suggestions for discussion:
  - At the beginning of the movie, James throws his plastic bottle into the storm drain. Why does Isaac stop him?
  - James' mom says that trash on the ground can end up in the ocean. How?
  - Explain to a friend why it is important to keep storm drains clear of trash?
  - How do marine animals get hurt when there is trash in the ocean?
  - How do humans get hurt when there is trash in the ocean?
  - James and Isaac want the whole school to help pick up trash. Why not just do it themselves?
  - What can we do to help prevent storm drain pollution?
  - Why do you think the movie is named "All the Way to the Ocean"? think of another good title to the movie.
5. As a conclusion, play [Kahoot!](#)
6. For an extra activity, listen and learn the song "[With my own two hands](#)" which is the soundtrack to the movie "All the way to the ocean".

With My Own Two Hands / Ben Harper

I can change the world  
with my own two hands  
make a better place  
with my own two hands  
make a kinder place  
with my own two hands  
with my own  
with my own two hands  
I can make peace on earth  
with my own two hands  
I can clean up the earth  
with my own two hands  
I can reach out to you  
with my own two hands  
with my own  
with my own two hands  
I'm gonna make it a brighter place  
I'm gonna make it a safer place  
I'm gonna help the human race



with my own  
with my own two hands  
I can hold you  
with my own two hands  
I can comfort you  
with my own two hands  
but you got to use  
use your own two hands  
use your own  
use your own two hands  
with our own  
with our own two hands  
with my own  
with my own two hands