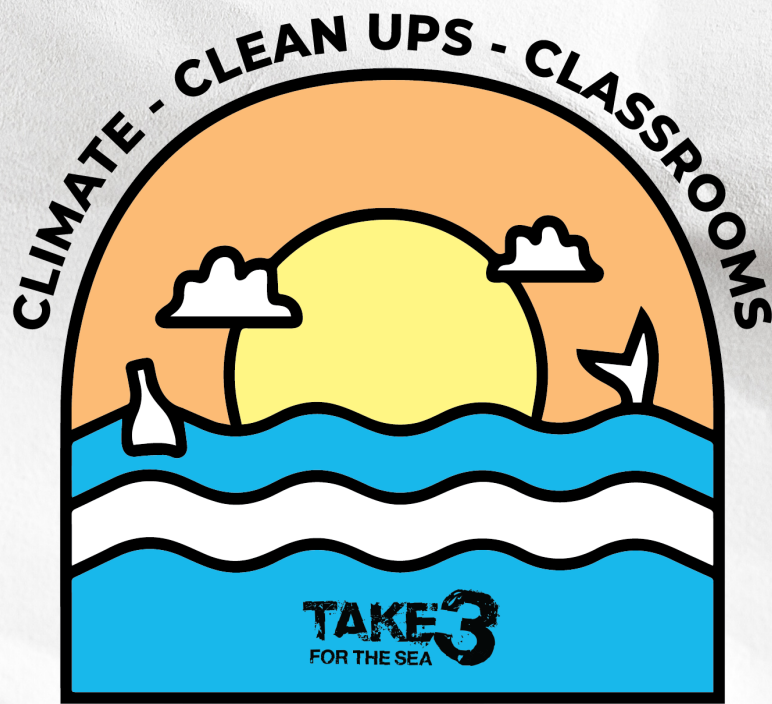




WHAT IS YOUR CARBON PLASTIC FOOTPRINT?

A carbon footprint is defined as the total amount of greenhouse gases produced directly and indirectly to support human activities, in this case plastic creation, usually expressed in equivalent tons of carbon dioxide (CO₂).

BEFORE OUR SESSION YOU WILL NEED TO...

Clean and set aside all the plastic you have used over the week. Then count and audit plastic items.

EQUIPMENT

A set of kitchen scales.

#TAKE3FORTHESSEA

INDIVIDUAL PLASTIC INFORMATION

Gather your collected plastics, sort, count and weigh

ITEM (add any extras below)	PRODUCT/S	NUMBER	WEIGHT (KG)
Plastic bags (e.g. bread, grocery, etc)			
Plastic food packets (e.g. chips, confectionary, spaghetti, rice, etc)			
Plastic wrap (e.g. cheese, etc)			
Plastic bread tags			
Plastic lids (e.g. milk, juice, etc)			
Plastic drink bottles (e.g.milk, juice, water, etc)			
Plastic containers (e.g. yogurt, butter, etc)			
Plastic containers (e.g. yogurt, butter, etc)			
Foam trays (e.g. meat, veges, etc)			
Plastic bottles (e.g. shampoo, cleaning, etc)			
TOTAL			

DID YOU KNOW?

- The carbon footprint of plastic (LDPE, PET, polyethylene) is approximately 1 kg of plastic = 6 kg CO₂
- An average plastic grocery bag weighs 5.5 grams, therefore 1 kg of plastic contains approximately 180 bags. 1 plastic bag = 33 grams of CO₂. A household that uses 5 grocery bags per week uses approximately 250 bags/year; generating 8.25 kg of CO₂ annually.
- Global average plastic use per person/year = 50 kg (Australia = 100kg; USA = 84 kg; Europe = 30 kg)

WHAT DOES THAT MEAN?



3 pieces
of plastic waste
a day

aprx 30 kg
of plastic waste
per year



7.5 kg
fills a shopping
basket (30L)

45 kg
CO₂e a year



22 kg
fills a shopping
trolley (175L)

132 kg
CO₂e a year



30 kg
fills a wheelie bin
(240L)

180 kg
CO₂e (CO₂
equivalent) a year

PLASTIC = CLIMATE CHANGE CALCULATOR



Now it's over to you. Calculate the amount of CO₂ created by your plastic waste where
1kg plastic = 6kg CO₂

INDIVIDUAL / FAMILY

Gather your collected plastics and weigh in kg

ONE WEEK	ONE MONTH (X 4)	ONE YEAR (X 52)	TEN YEARS (X 520)
WEIGHT (KG) =	WEIGHT (KG) =	WEIGHT (KG) =	WEIGHT (KG) =
CO ₂ =	CO ₂ =	CO ₂ =	CO ₂ =

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