



MONTHLY CHALLENGE

INGENIEURSWESE - LAERSKOOL



'Every year about 10 million tons of plastic is dumped into our oceans. That's as much as a truckload of plastic waste every minute. Everything from plastic bottles and bags to microbeads end up in our oceans. This creates a swamp of large and small plastic pieces that is mistaken for food by marine animals. We can help put an end to plastic pollution by choosing not to use single use plastic items, such as plastic bags and straws. Single use plastic items are one of the biggest contributors to ocean pollution.

ACCORDING TO PLASTIC OCEANS:

- Packaging accounts for just over 40% of total plastic usage.
- Annually approximately 500 billion plastic bags are used worldwide. More than 1 million bags are used every minute.
- Over the last 10 years we have produced more plastic than during the whole of the last century.
- Plastic takes 500 years to break down. Once it enters our environment, it stays there.'

[Taken from: www.westerncape.gov.za/general-publication/plastic-pollution]

VRAAG:

Ontwerp 'n plastiekbottel herwinningsasblik wat vir jou skool gebou kan word. Jy moet:

1. Indien 'n geëtiketter skets/teken van jou ontwerp wat wys waaruit elke onderdeel gemaak is en sê wat elke deel kan gebruik word.
2. Wys hoeveel plastiekbottels in jou asblik gevoeg kan word – voeg dit asseblief by die skets.
3. Sê wat jy agterna met die plastiekbottels gaan doen – maak seker dit is deel van die skets.

INSTRUKSIES:

- Sperdatum om jou antwoord op die Google-vorm in te dien is 17 April 2023.
- Ons sal die Provinsiale wenner vir elke uitdaging later in April aankondig.
- Oplossings sal op die webwerf gepubliseer word by hierdie skakel - www.ctsc.org.za/stem-clubs/

Please type this link into your Google search bar to answer

<https://forms.gle/sqGxNagpCroWcUBv7>

(You will be asked for your name and surname, your grade and your school name.)