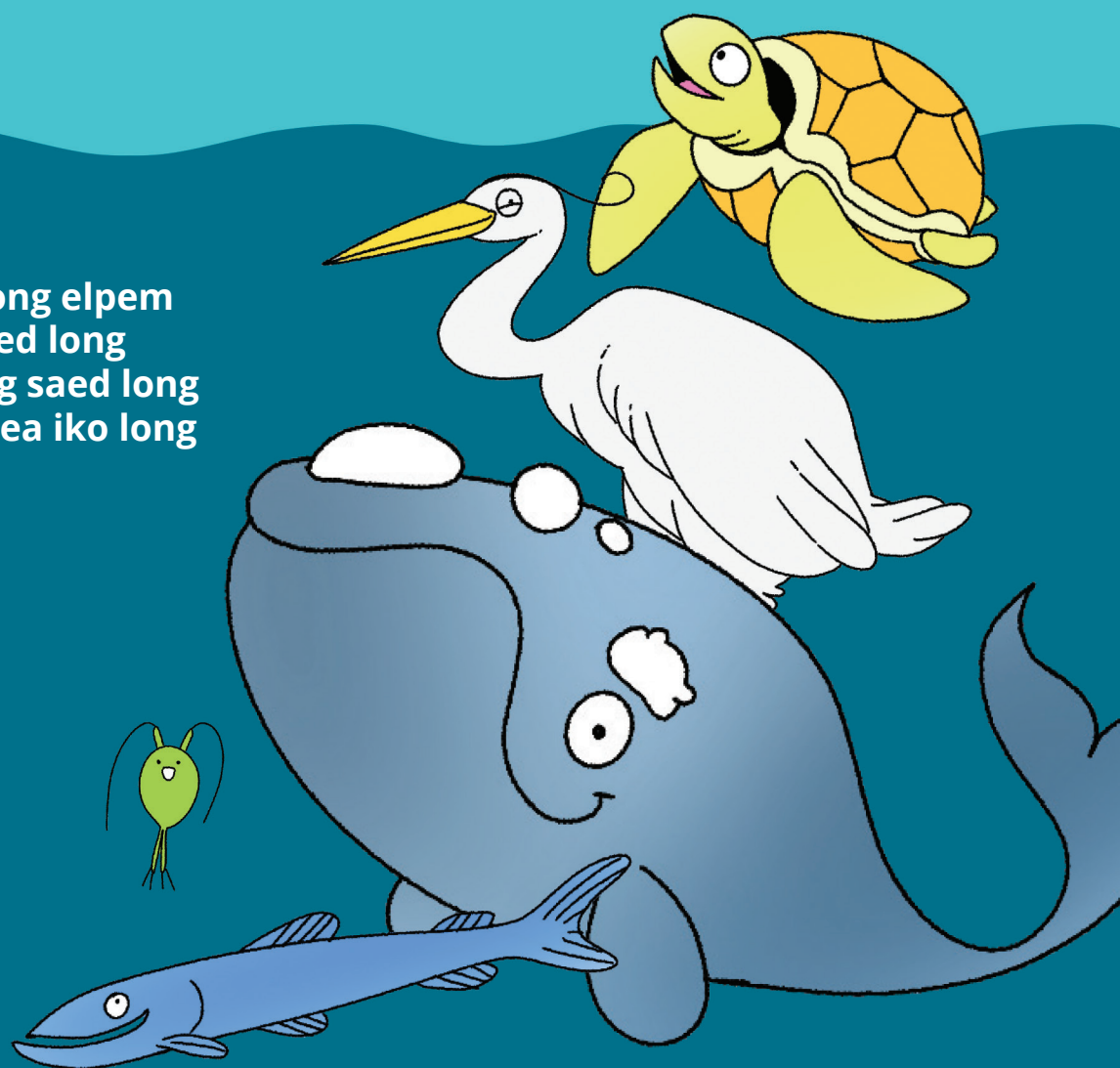


Komyuniti Pak

Level 1
blong Vanuatu

3 program blong elpem
ol tija long saed long
edukesen long saed long
plastik doti wea iko long
solwara



Department
for Environment
Food & Rural Affairs



Centre for Environment
Fisheries & Aquaculture
Science



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PROUD TO SUPPORT

COMMONWEALTH
HEADS OF GOVERNMENT MEETING
LONDON 2018

1. Lesen 1: Wanem ia doti blong solwara?

Sesen ia emi blong givim wan introdaksen long saed long doti blong solwara mo ol isiu wea oli kam aot long doti ia long ecosystem blong solwara.

Doti blong solwara, plastik doti, emi ol pis plastik wea oli stap long solwara, wea oli kam aot long faktori, ol doti wea ol man oli sakem long solwara, ol doti wea oli stap long solwara mo long sanbij.

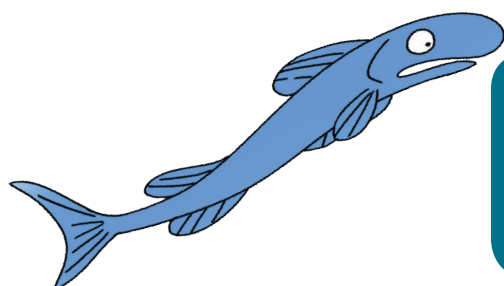
Tija mas askem : doti ia emi kam wea? Human emi mekem doti ia. Yumi iusum enisamtin, bae yumi sakem aot. Suppose oli no tekem doti ia iko long spesel ples blong doti, doti ia isave ko long graon, mo isave ko long solwara folem wota blong riva. Ol doti oli kasem solwara folem rod blong riva, fladin, mo narafala rod blong wota iko kasem solwara. Doti emi save kasem solwara taem win I strong, o suppose wan man emi sakem doti ia stret iko long solwara (olsem fishing net wea emi ko lus). Doti blong solwara emi stap long evri area blong solwara long planet, mo doti ia emi mekem big fala problem long helt blong laef blong solwara.

Fulap taem ol animol blong solwara oli tinse plastik doti emi kakae blong olgeta, mekem oli sik. Plastik doti emi save mekem damej long ples blong laef blong ol animol, plastik doti emi save mekem ol animol oli sik, mo oli save letem ol kaen invasive animol blong tekem ples blong narafala animol mo mekem trabol long balens blong ecosystem blong solwara. Plastik emi wan material wea oli iusum fulap raon lon wod, wea emi ko olbaot long solwara. Taem plastik doti emi stap long taem long solwara mo emi silip long taem tumas long ful san emi kam smol smol, oli talem ol smol pispis ia: "mikroplastik". Mikroplastik oli dangerous long laef blong animol blong solwara, mo long laef blong human, bae mikroplastik ia mo ol toxin blong em oli save ko tru ol fis mo seafood kasem kakae blong yumi, mekem yumi stap kakae plastik.

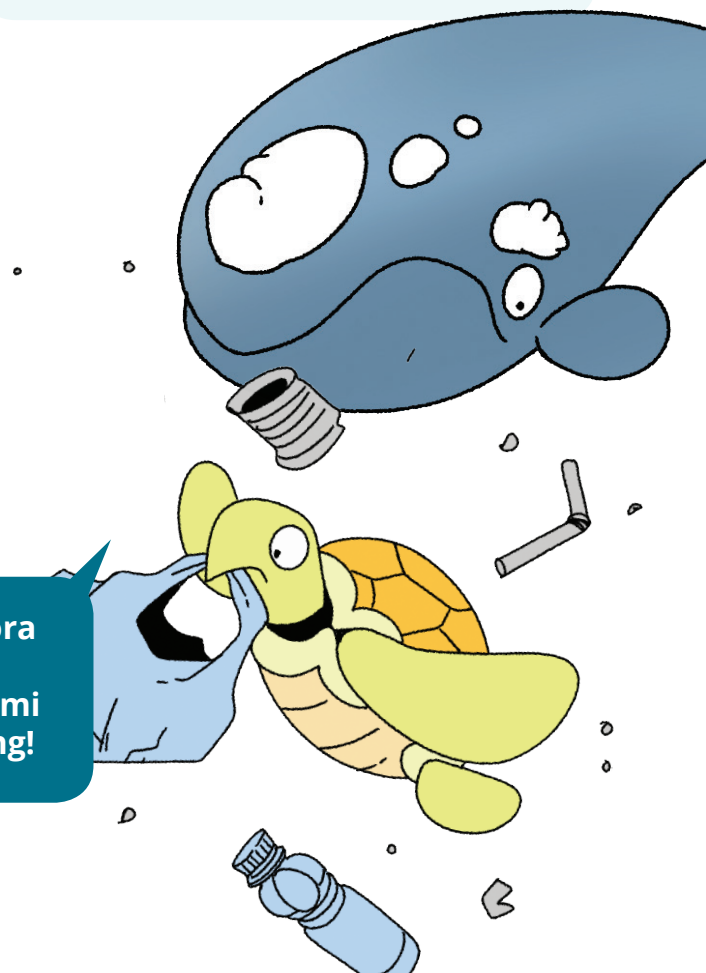
Lesen ia emi blong explenem long student wanem ia doti blong solwara, olsem wanem plastik blong solwara emi kasem solwara, mo ol isiu wea oli kamaot long plastik doti. Blong ranem lesen ia, yumi ko stadi wan solwara animol wea emi stap swim long Vanuatu.

Risos

- [Two Minutes on Oceans w/ Jim Toomey: Marine Litter](#)
- [National Geographic- Kids Take Action Against Ocean Plastic](#)
- [It's Okay to be Smart- How Much Plastic is in the Ocean?](#)
- [Ocean Heroes: 5 Gyres - Problem With Plastics](#)
- [Trash vortex \(Artistic film\)](#)



**Toti long solwara
I wan bigfala
problem blong mi
mo ol fren blong!**

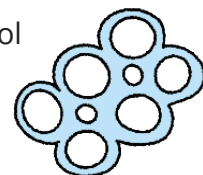


Doti blong solwara Fact sheet

Doti blong solwara emi eni samtin we ol man oli sakem olbaot, doti ia emi go stret long riva, sandbij, mo solwara blong yumi.

Plastik

1. Plastik emi fes doti blong solwara. Ikat fulap samtin wea oli mekem long plastik. Plastik botel, Plastik bokis blong kakae, fishing gear oli stap olbaot. Long solwara, ol plastik oli brokbrok smol smol : emia mikroplastik.



Glass

2. Glass emi namba 2 doti blong solwara wea emi stap long sanbij. Glas ia emi kam aot long botel wea oli brok.

Metal

3. Aluminium sofdrin tin mo ol narafala item oli stap long sanbij mo long solwara.



Doti blong solwara emi save mekem bigfala damej long sea laef!



Animol blong solwara oli save kakae plastik bae oli no save luk emia emi plastik nomo

Doti blong solwara emi save mekem damej long aria blong laef blong animol blong solwara



Oli save ded finis long doti blong solwara.

Doti blong solwara emi save atraktem invasive animol



Aktiviti: Olsem wanem oli mekem ol samsamtin blong yumi?

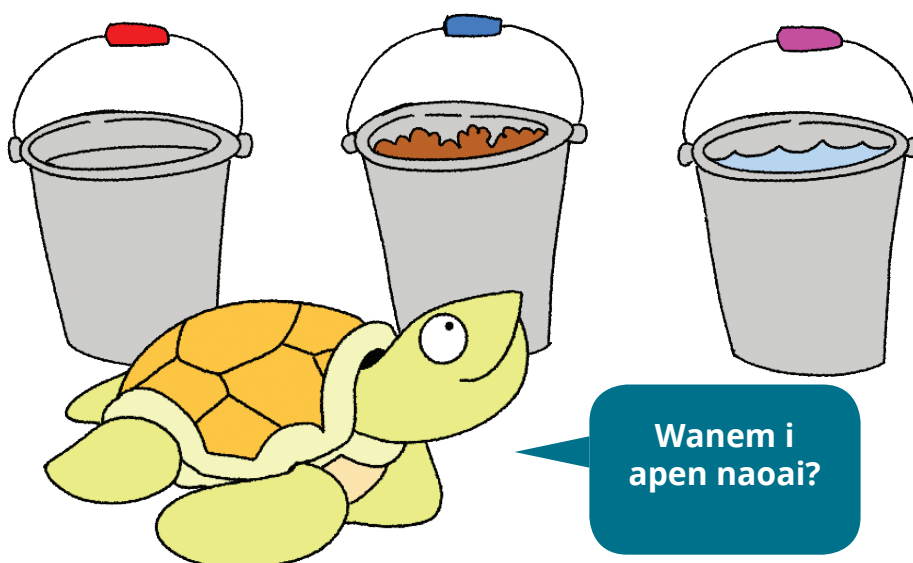
Kreatem awareness long difren materioli iusum sensitiviti. Ol pikinini oli mas lukluk long difren materioli: plastik mo naturol. Oli mas tinkbaot olsem wanem iapen taem ol materioli ia oli ko long solwara (float, draon), tru long mani yea materioli ia emi swim long solwara: oli brokbrok, oli gat ras, oli organik, o oli stap long taem? Mekem wan lis blong ol samtin ia.

Instraksen:

Materioli wea oli nidim:

- Ol difren materioli wea oli save lukluk long saed long skul, mo vilej. Ol materioli ia ishud soem wan mix blong plastik samtin mo naturol samtin, strong mo sopsop materioli...
- 3 baket
- Graon
- Wota
- Pen mo Pepa

Putum ol studen tugeta o long grup, selektem wan item mo askem olgeta blong talem ikam wea? Wanem ius blong item ia? Ao long oli save iusum item ia? Suppose igat inaf spes, putum 3 baket : wan wetem graon, wan wetem wota, wan emi empti. Putum samsamtin insaed long baket, mo talem wanem imas apen long item ia suppose iko long wota, long graon, o long empti baket. Raetem daon ol tintin blong yu long tabol wea emi stap long nekis pej. Ol studen oli mas ko luk insaed long 3 baket evri manis blong jekem wanem iapen long item, wanem emi jenisim. Raetem daon ol samtin wea yu luk finis, mo eni difrens long items.



Woksit

Item deskripsen	Wanem bae yu tinkse emi save apen?	Wanem jenis i apen finis?

Lesen 2: Doti blong solwara long

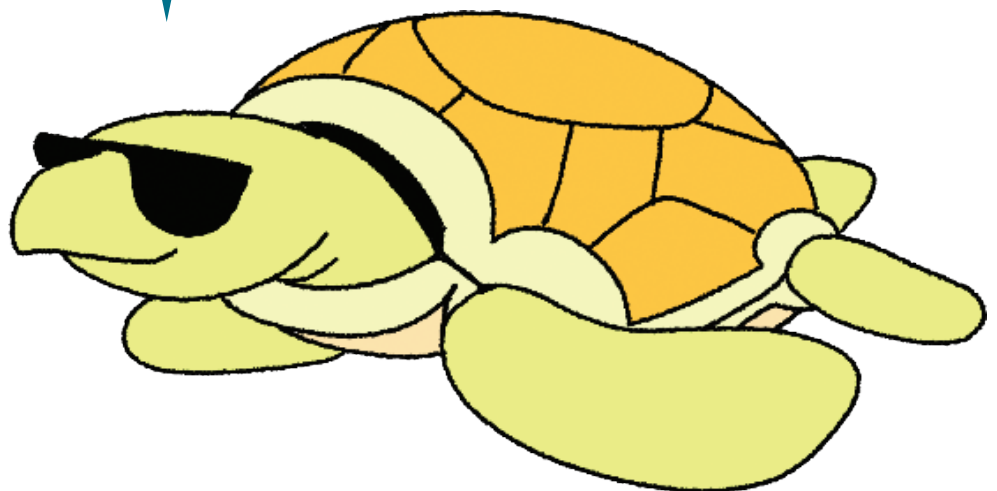
Lesen ia emi blong elpem ol studen blong lanem long saed long plastik blong solwara long Pacifik, taem blong ko long fil trip long solwara mo sandbij klinim

Tekem ol studen iko blong klinim sandbij emi gud blong tijim mo soem olgeta aomas plastik doti istap long solwara mo ol sandbij long Vanuatu. Rikodem eni doti we oli faenem long solwara emi kompulsori blong elpem nasonol mo intenasonol program agensem doti blong solwara, mo andastanem gud ol doti ia oli kam wea? Yu save rikodem ol infomesen ia long fulap difren platfom long intanet, mo faenem ol infomesen bae we yu nidim blong klinim eni coastal aria. Pliz, mekem sua yu mekem stret helt mo sefti awarenes bifo ranem aktiviti ia. Tekem fulap wota blong drin, lukaotem ples long shed, no mekem aktiviti ia long medel dei taem san emi strong. Mekem wan ariap survey long aria blong mekem sua ino gat eni dangerous item long sandbij (broken glas...)

Risos

- <https://www.mcsuk.org/beachwatch/organisers>
- https://www.ospar.org/ospar-data/10-02e_beachlitter%20guideline_english%20only.pdf
- <https://www.vanuatuconservation.org/litter-survey-for-world-environment-and-world-oceans-days/>

Mi likem ko long solwara, suppose emi klin !



Aktiviti- Sandbij klinim mo sortem aot ol item

Topik blong aktiviti ia emi blong tekem ol studen long sandbij blong lukaotem ol doti we oli stap long solwara, kolektem doti mo rikodem doti ia

Instraksen:

Materiali wea yu nidim :

- Sandbij
- Notbuk, pen
- Helt mo Sefti risk assessment.

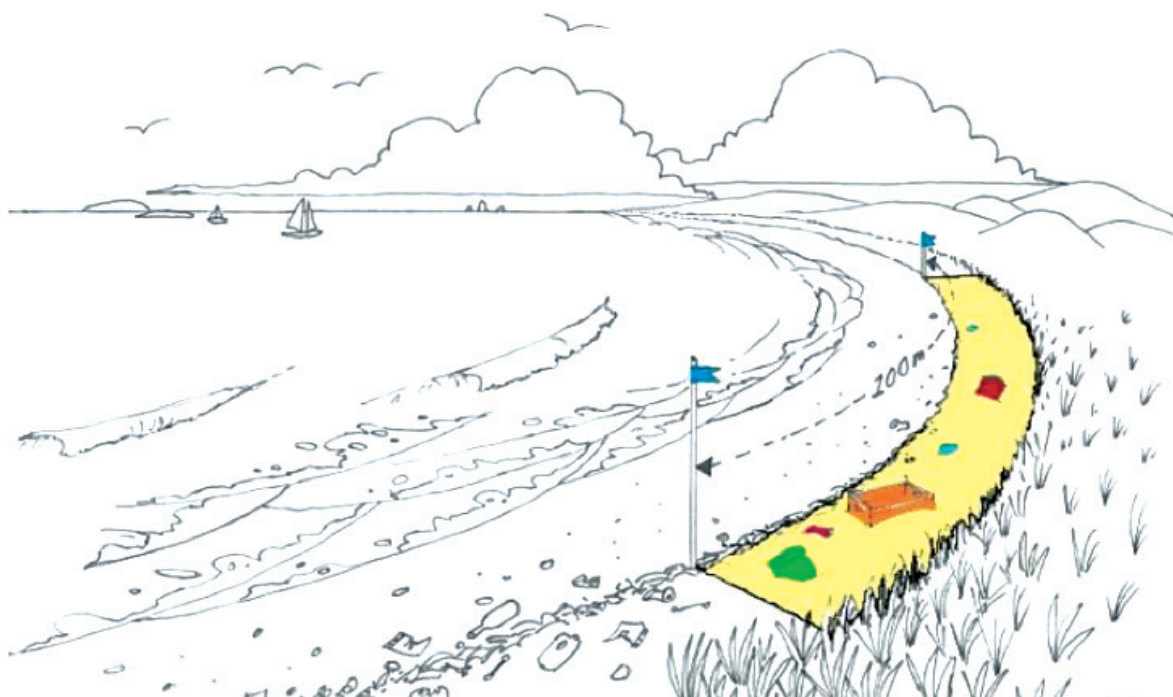
Selektem sandbij blong mekem aktiviti, askem permit blong land ona. Jekem aoa blong taed, mo selektem wan gud taem blong go long sandbij : 2 aoa o mo afta solwara emi stat go daon.

Taem yu stap long sandbij, yu mas selektem mo makem wan aria blong 100M long. Aria ia emi mas stat antap long sandbij, long ples wea solwara emi kasem taem emi kam soa, kasem aria wea ol flaoa oli gru.

Talem ol studen blong mekem grup, mo talem olgeta blong go stat pikimap ol doti wea oli stap long aria. Talem ol studen blong sotem ol doti, long saes, material, oli save mekem sub kategori suppose igat fulap tumas. Tija emi save iusum tabol wea istap long nekis pej. Tija save preparem tabol ia bifo aktiviti.

Taem aktiviti emi finis, mekem sua blong sakem ol doti long spesel ples blong em, mo karem wan sampol blong doti blong solwara long skul blong ranem mo aktiviti bifo yu ko tru lesen 3.

Bak long skul, tija mas kolektem ol rikod blong ol studen. Ol studen wea oli mo olfala oli save disaenem ol graf blong identifiaem ol item. Wanem yu faenem long solwara, wanem yu tinbaot ? Wanem item i stap long evri sangbij? Talem suppose ol man oli iusum item ia evri dei?



© Marine Conservation Society

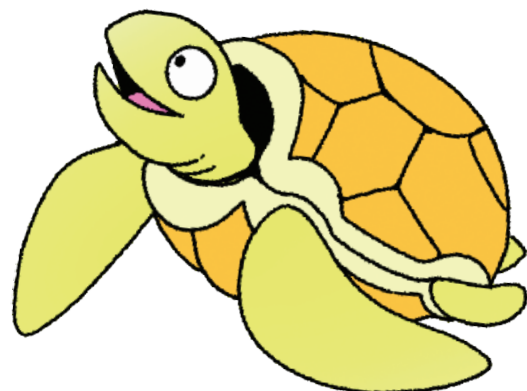
What did you find on the beach?

Plastik	Plastik food container	
	Plastik botel	
	Plastik straws	
	Fishing gear	
Metal	Aluminium sofdrin tin	
Rubber		
Glass		
Wood		

Trae mekem bakegen the CLiP crew wetem sam materi ol yu faenem long sanbij...



Wow, mi!!!



Lesen 3: Solusen

Lesen ia emi save elpem ol studen blong explore emi solusen blong blokem doti blong solwara, mo soem olgeta olsem wanem ol aksen blong olgeta oli save elpem blong mekem doti ia emi mo smol.

Emi veri impoten blong wok tugeta blong mekem smol doti wea emi save ko long solwara. Long fes lesen yumi lanem wanem difrens igat bitwin naturol mo artifisol materioli. Long taem bifo, ol bubu blong yumi oli sakem ol doti blong olgeta long graon, bae doti blong bifo emi lif, mo wud, mo coconas sel nomo. Doti blong bifo emi organik doti wea ikam aot long graon mo go bak long graon taem emi roten finis. Materioli wea yumi iusum naoia, fulap oli plastik, sintetiki, oli las long taem, oli no save roten. Mekemse yumi mas sakem doti ia long rabis bin. Plastik emi nidim bitim 1000 yea bifo emi roten!

Ol man oli save mekem 3 moa aksen blong elpem blong mekem amaon blong plastik doti wea emi save go long solwara emi mo smol. Reduce, Re-iusum mo Resaekol. Mekem smol, iusum bakegen mo risaekol. Talem ol studen wanem tintin oli save mekem long Vanuatu blong blokem plastik :

Reduce / Mekem smol:

Yu save mekem smol doti taem yu stat iusum ol singol ius item, mo stat use bakegen emi samtin long aos blong yu. Isi wei blong mekem smol doti

- Tekem wan basket blong ko long maket o mekem shopin blong yu, no pem, no iusum emi plastik bag.
- Tekem botel wota aot long aos blong yu, no pem plastik botel wota.
- No iusum plastik straws blong drin, iusum naturol straw : bamboo.

Iusum bakegen:

Yu save iusum bakegen fulap samtin long aos blong yu bifo yu sakem long rabis bin. Trae tinbaot long narafala man wea emi save iusum item ia. Givim emi narafala wei blong iusum ol item ia.

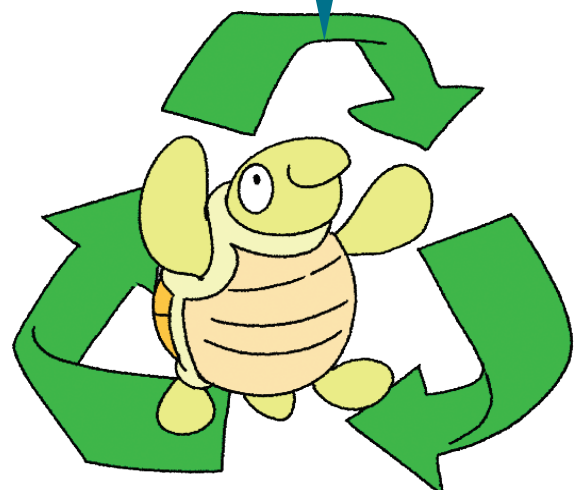
Resaekol:

Yumi save mekem fulap niu difren samtin wetem emi samtin wea emi go long rabis bin. Jekem wetem ol fren blong yu wanem item yu save sendem iko long resaekol, mo mekem sua blong putum ol samtin ia long spesel ples blong resaekol. No miximap wetem organik doti.

Risos

- [Reduce, Reuse, Recycle lesson ideas](#)
- [Reduce, Reuse and Recycle, to enjoy a better life](#)
- [The Three R's for Kids](#)

**Tinbaot long 3 points
: Mekem smol doti, re
iusum, resaekol !**



Aktiviti: Mekem smol doti , Re-iusum, Resaekol plei plei

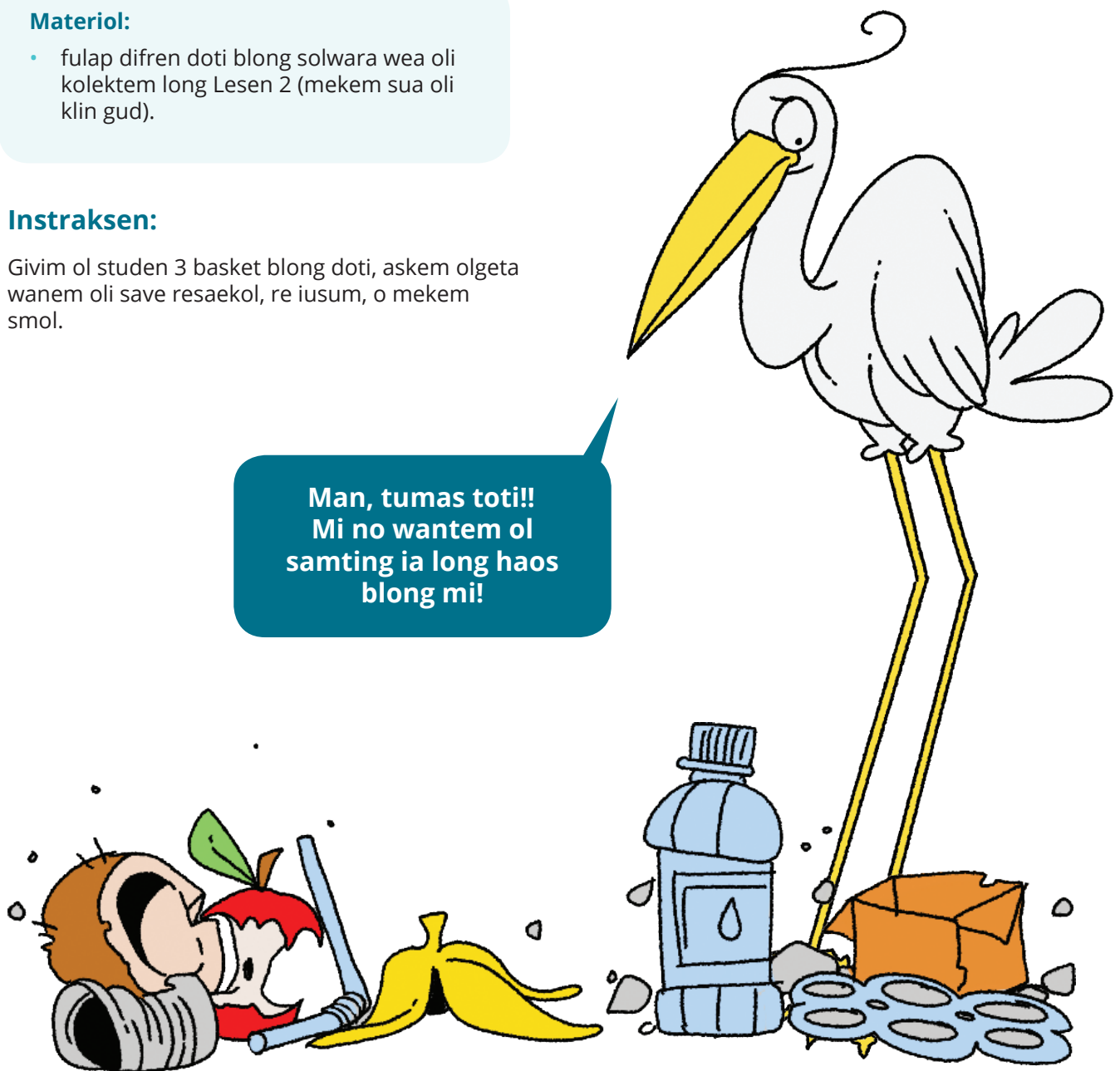
Gol : elpem ol studen blong tinkbaot long difren wei blong stopem plastik doti blong go kasem solwara.

Material:

- fulap difren doti blong solwara wea oli kolektem long Lesen 2 (mekem sua oli klin gud).

Instraksen:

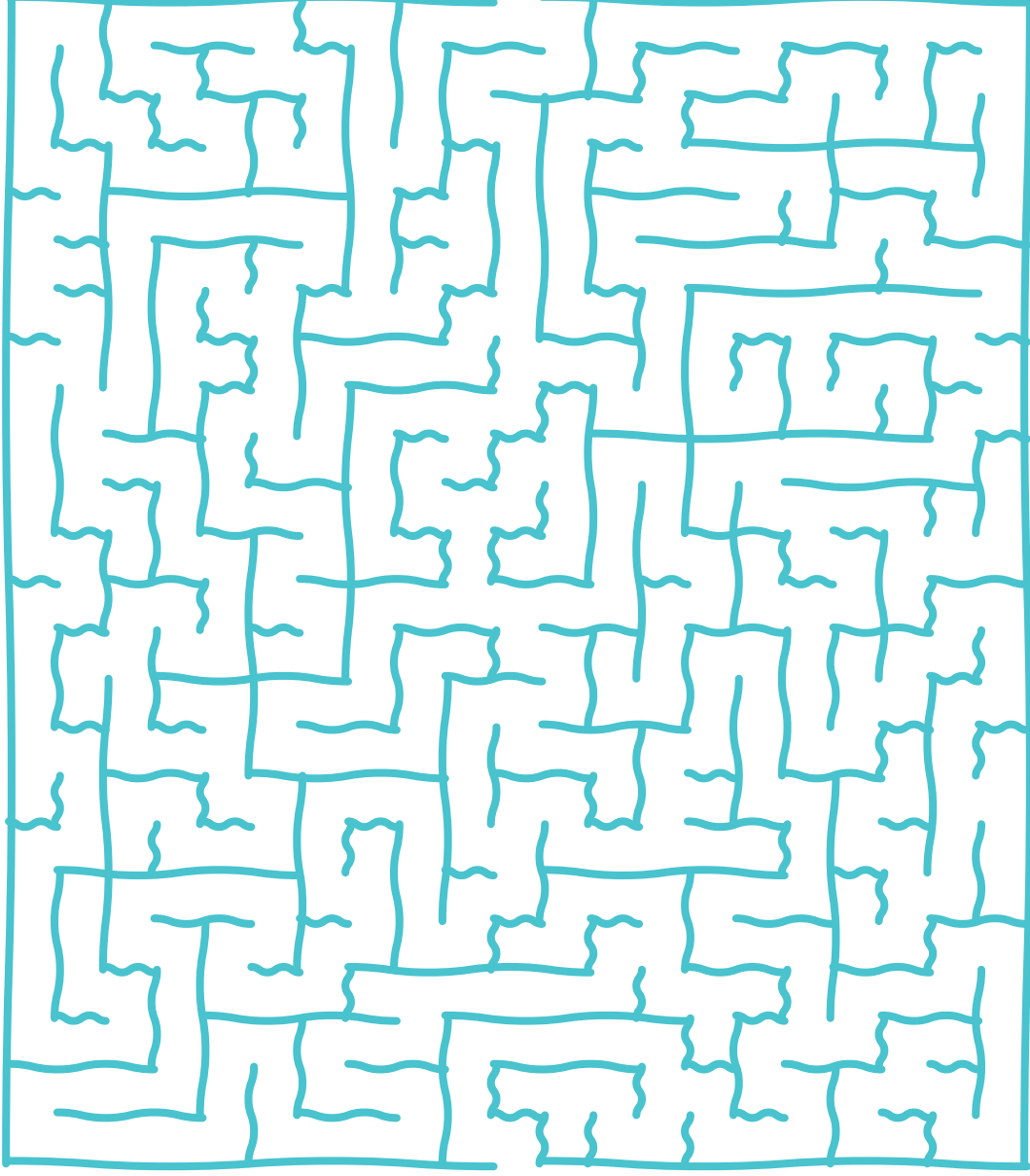
Givim ol studen 3 basket blong doti, askem olgeta wanem oli save resaekol, re iusum, o mekem smol.



Givhan long Salome blong i fainem senta blong yusumbak?



Salome the Turtle



Mi mekem!



Recycling centre