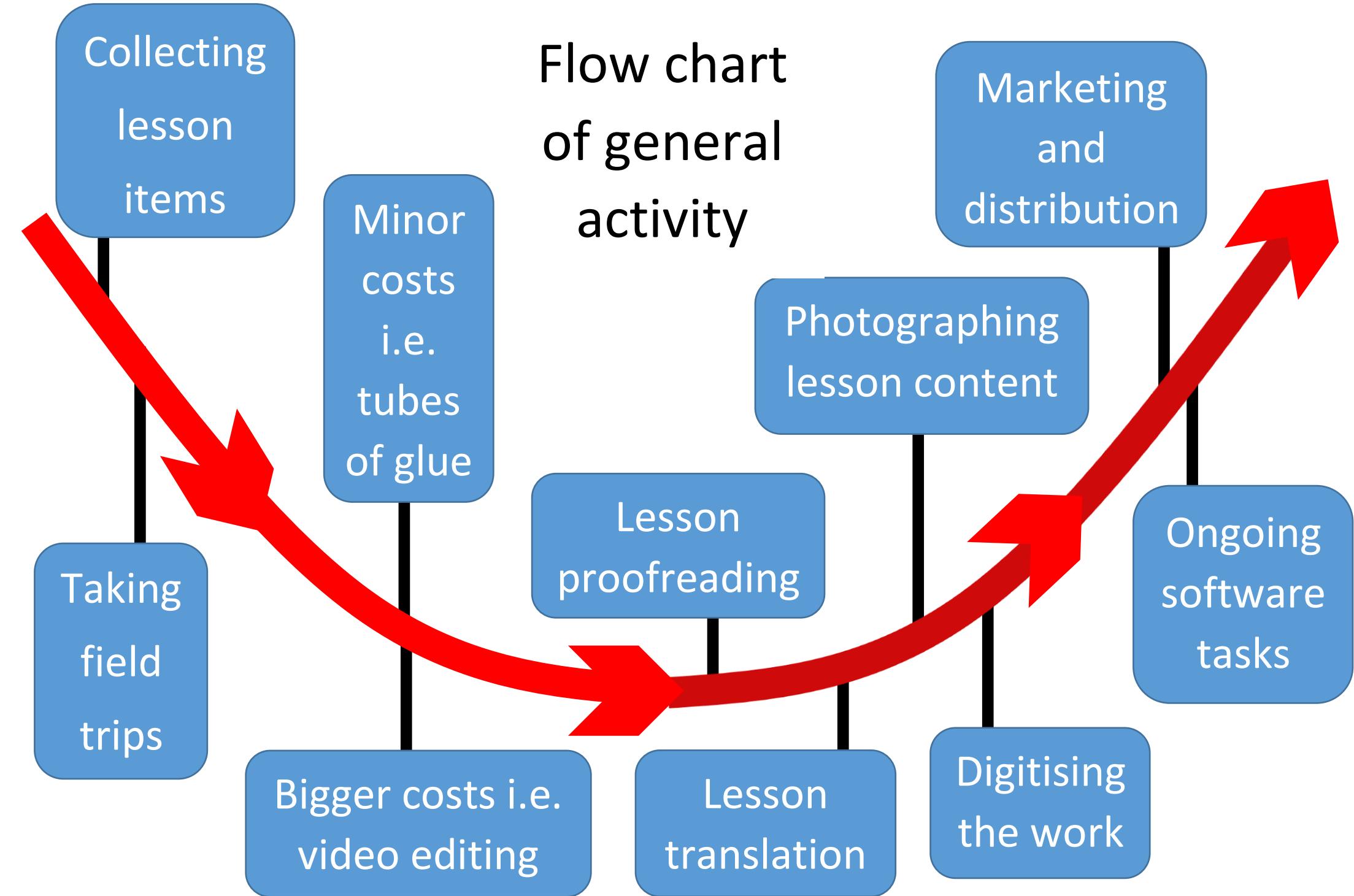


The project's efforts are aligned most closely with components of Millennium Development Goal 2 and 7, with a secondary focus on some MDG 5 and 3 components as well as components of MDG 1. Excerpts taken from these MDGs highlights our project values:

- MDG 1, Target 1B, states "Achieve ... decent work for ... women and young people"
- MDG 2, Target 2A, states "... children everywhere ... able to complete a full course of primary schooling"
- MDG 3 states "Promote gender equality and empower women"
- The indicator for monitoring progress in MDG 5, Target 5B, refers to the "Unmet need for family planning"
- MDG 7 refers to "Ensure environmental sustainability"
- MDG 7, Target 7A, states "Integrate ... sustainable development into ... programmes and reverse the loss of environmental resources"
- The indicators for monitoring progress in MDG 7, Target 7B, refer to
  - "Proportion of land area covered by forest",
  - "CO2 emissions",
  - "Proportion of fish stocks within safe biological limits" and
  - "Proportion of species threatened with extinction"

(*Millennium Development Goals Indicators, 2015*)

# Flow chart of general activity



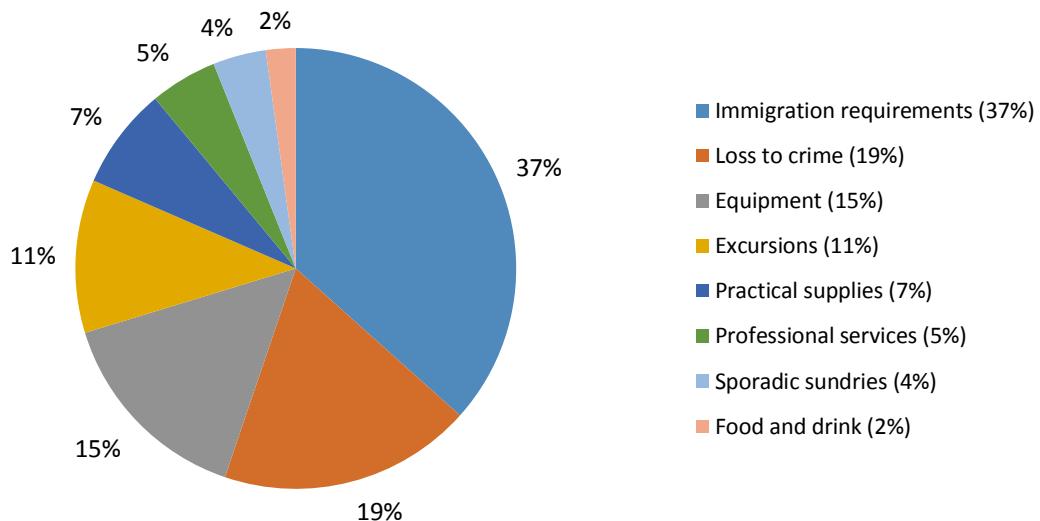
## Distribution of costs – first 11 months

Total expenditure: IDR 51,106,615 (USD 4,259)

Expenditure by category:

- Immigration requirements – IDR 18,716,360 (USD 1,560)
- Loss to crime – IDR 9,500,000 (USD 792)
- Equipment – IDR 7,703,200 (USD 642)
- Excursions – IDR 5,743,740 (USD 479)
- Practical supplies – IDR 3,816,900 (USD 318)
- Professional services – IDR 2,524,000 (USD 210)
- Sporadic sundries – IDR 1,989,000 (USD 166)
- Food and drink – IDR 1,113,415 (USD 93)

### First 11 months



Notes:

1. All figures in Indonesian rupiah have been converted to USD using the average exchange rate of 12,000: 1 and have been rounded off.
2. Some accounting entries combine monies used for various purposes. Also, change from business transactions is typically returned to the kitty. Therefore, this data should be taken as a general overview.
3. This distribution will change as the project advances. A higher percentage is expected to be allocated to professional services and excursions, and a lower percentage to immigration requirements.
4. Two honoraria will begin once the finances are robust enough, and partial reimbursements will be made then too.
5. Costs for practical supplies, food and drink, sporadic sundries plus equipment are expected to remain more-or-less constant.
6. The instance of crime was a hit-and-run in which a service provider to the project was targeted while handling money in a commercial setting.

Date	Cost	Description	Paid by
2/2/15	6,900	file note book	Nila A.
6/2/15	100,000	pay boat to help Al collect litter with their own pax	Nila A.
16/2/15	100,000	Tulup - Marewiri boat + water x 2 pax + 1 return	Nila A.
17/2/15	140,000	Marewiri - Puruk Cahu boat x 2 pax	Nila A.
18/2/15	186,000	2 pax - boat + emergency boat to catch up + dried fish, Puruk Cahu - Tulup - sticks for 2 pax	A.G.
19/2/15	16,000	drinks for AG in Tulup	A.G.
20/2/15	75,000	internet credit + boat tickets	
21/2/15	400,000	Tulup river crossing gift for Nila + Mr Aronang for accompanying AG upriver internet credit, Tulup water supply boat in Tulup	A.G.
23/3/15	150,000	AG	A.G.
23/3/15	15,000	water supply boat in Tulup	A.G.
27/3/15	61,000	glue + milk - school, Tulup	A.G.
4/4/15	342,000	drugs, coffee, boat, meals in Tulup	A.G.
4/4/15	355,000	water extension for AG	Nila A.
5/4/15	90,000	boat + glue, Tulup	A.G.
9/4/15	12,000	boat + night hire, Tulup	A.G.
12/4/15	35,000	supplements + anti-malaria	N.A.
12/4/15	339,415	Food for Tulup	N.A.
19/4/15	50,000	internet credit, Tulup	N.A.
21/4/15	70,000	night crossings + general, Tulup	N.A.
22/4/15	100,000	Nila to buy sulfide acidite	A.G.
25/4/15	130,000	general food + boat, Tulup	A.G.
29/4/15	200,000	water, food from Teuwh	N.A.

Date	Cost	Description	Paid by
29/3/15	100,000	general supplies, Teuwh	A.G.
31/3/15	155,000	No passport services, Teuwh	N.A.
10/4/15	300,000	food supplies, Teuwh	A.G.
11/4/15	350,000	visa extension + fee	N.A.
14/4/15	107,000	food + education stamp	A.G.
24/4/15	250,000	glue, food, Tulup boat	N.A.
1/5/15	100,000	food + general	N.A.
6/5/15	300,000	visa extension	N.A.
9/5/15	100,000	supplies, Tulup	N.A.
21/5/15	100,000	supplies + boat, Tulup	N.A.
24/5/15	100,000	supplies + boat, Tulup	N.A.
25/5/15	175,000	food, market ink, Teuwh	N.A.
26/5/15	200,000	supplies, Teuwh	N.A.
26/5/15	200,000	cutting paper, Teuwh	N.A.
27/5/15	100,000	glue, Tulup	N.A.
27/5/15	200,000	glue, Teuwh again	N.A.
28/5/15	400,000	glue, Teuwh	N.A.
30/5/15	150,000	supplies, Teuwh	N.A.
30/5/15	71,000	supplies, Tulup	N.A.
6/6/15	100,000	general, Teuwh	N.A.
13/6/15	300,000	supplies, food, Teuwh	N.A.
18/6/15	200,000	66% transportation trip, Pakuk Raya	N.A.
22/6/15	628,500	guide + photo trip P.Raya	N.A.
22/6/15	250,000	supplies, Pakuk Raya	N.A.
26/6/15	100,000	supplies for P.Raya	N.A.
10/7/15	355,000	water extension	N.A.
11/7/15	200,000	Nilon camera battery	N.A.
16/7/15	500,000	supplies, Bima/made	A.G.

Date	Cost	Description	Paid by	Written by
21/7/15	500,000	deposit: new BII doc.	N.A.	
23/7/15	450,000	taking back excess on compulsory opening deposit		
23/7/15	100,000	acquiring advice, Bima	N.A.	
24/7/15	100,000	general supplies, Bima	N.A.	
27/7/15	350,000	Marah SD cards in Singapore, withdrawl	A.G.	
31/7/15	3,00,000	Turah SD cards + rice etc, Singapore	A.G.	
3/8/15	100,000	mobile phone	N.A.	
4/8/15	100,000	general supplies Bima	N.A.	
4/8/15	10,000	lodging plus flight Singapore	N.A.	
31/7/15	5,00,000	exchange into Singapore - post & fare paid for but collected 18-8-15	N.A.	
3/8/15	34,500	universal power adaptors	N.A.	
10/7-8/	1,261,000	Singapore - Singapore operation flight	N.A.	
8/8/15			N.A.	
8/8/15	150,000	luggage global packing package	N.A.	
7/8/15	150,000	phone credit	N.A.	
9/8/15	50,000	phone credit	N.A.	
10/8/15	30,000	phone credit	N.A.	
10/8/15	211,000	unauthorised donations - Anon		
	6,540,000			

The project's first 6 months of accounting in Indonesian rupiah is basic. As it progresses, a more sophisticated accounting system will be necessary. Receipts and other paperwork is kept wherever possible, but much commerce locally is done without official transaction records being made.

An anticipated quiet week			
ACTIVITY	IN	OUT	NOTES
Online donation systems, incl. GoFundMe	IDR 800,000		A wild guess; after percentage taken for UK input
Donations not from crowdfunding	IDR 300,000		A guess; from Indonesia and abroad, in cash and electronic
Alastair's and Nila's donations	IDR 900,000		50% of this to be taken back if finances become stable enough
Bank interest	IDR 250		Starting at 0.7% for minimum account balance
Tax		IDR nil	Only applies once donation amounts become significant
Marketing		IDR 700,000	Annual package at IDR 36,000,000 / 52 weeks per year
Software programming / maintenance		IDR 200,000	-
Bank fees		IDR 44,000	Based on 5 billed transactions plus 25% of monthly fee
Alastair's and Nila's food and drink		IDR 600,000	Only claimed when working on project
Transport		IDR 500,000	Rickshaw, scooter, motorbike, car or taxi
Utility bills		IDR 60,000	50% of IDR 120,000 / week claimed against project
Internet access		IDR 75,000	-
Photo printing		IDR 60,000	An average of 3 photos / written lesson
Basic video editing		IDR 400,000	An average of IDR 200,000 / video
Food gifts for local team members		IDR 100,000	-
Local helpers' wages x 2		IDR 250,000	At recommended basic local wages
Mobile phone and texting		IDR 50,000	-
Translating service		IDR 6,250,000	At IDR 250,000 / lesson; when available in bulk
Content-checking professional		IDR 1,250,000	At IDR 50,000 / lesson
** Professional indemnity insurance		IDR 192,000	IDR 10,000,000 per year / 52 weeks per year (2nd year onwards, possibly)
Foundation (legal entity) administration		IDR 180,000	IDR 9,000,000 per year / 52 weeks per year (1st year only)
** Foundation administration		IDR 24,000	IDR 1,200,000 per year / 52 weeks per year (2nd year onwards)
International transport tickets		IDR 670,000	(IDR 35,000,000 for 2 return journeys per year) / 52 weeks per year
Field trip costs		IDR 1,200,000	(IDR 350,000 / day x 180 field days per year) / 52 weeks per year
** Alastair's daily wage		IDR 2,100,000	IDR 300,000 every day; to start only when finances secure
** Nila's daily wage		IDR 840,000	IDR 120,000 every day; to start only when finances secure
Sundries		IDR 200,000	Anything unexpected
	IDR 2,000,250	IDR 12,789,000	For the first year only (excluding entries with **)

Anticipated budget (a quiet week) based on project conditions as of July 2015.

An anticipated busy week	IN	OUT	NOTES
ACTIVITY			
Online donation systems, incl. GoFundMe	IDR 800,000		A wild guess; after percentage taken for UK input
Donations not from crowdfunding	IDR 300,000		A guess; from Indonesia and abroad, in cash and electronic
Alastair's and Nila's donations	IDR 900,000		50% of this to be taken back if finances become stable enough
Bank interest	IDR 250		Starting at 0.7% for minimum account balance
Tax		IDR nil	Only applies once donation amounts become significant
Marketing		IDR 700,000	Annual package at IDR 36,000,000 / 52 weeks per year
Software programming / maintenance		IDR 200,000	-
Advice on legal matters		IDR 800,000	As needed only
Advice on campaign issues		IDR 200,000	As needed only
Updates to WorldRecordChase.com		IDR 200,000	Erratic, as needed
Bank fees		IDR 44,000	Based on 5 billed transactions plus 25% of monthly fee
Alastair's Indonesian visa extensions		IDR 355,000	Monthly; may change if Alastair's status in Indonesia changes
Alastair's and Nila's food and drink		IDR 600,000	Only claimed when working on project
Transport		IDR 500,000	Rickshaw, scooter, motorbike, car or taxi
Utility bills		IDR 60,000	50% of IDR 120,000 / week claimed against project
Internet access		IDR 75,000	-
Photo printing		IDR 60,000	An average of 3 photos / written lesson
Basic video editing		IDR 400,000	An average of IDR 200,000 / video
Food gifts for local team members		IDR 100,000	-
Local helpers' wages x 2		IDR 250,000	At recommended basic local wages
Mobile phone and texting		IDR 50,000	-
Additional MyHost.co.nz disk space		IDR 70,000	IDR 3,600,000 per year / 52 weeks per year
Translating service		IDR 6,250,000	At IDR 250,000 / lesson; when available in bulk
Content-checking professional		IDR 1,250,000	At IDR 50,000 / lesson
Professional photographer		IDR 500,000	At IDR 20,000 / photo; when lessons available in bulk
3M face masks		IDR 35,000	1 per week; protection from airborne toxins
Publishing-related services		IDR 200,000	At IDR 10,000,000 / year; as needed only
Indonesia-specific legal advice		IDR 500,000	1 hour's work; as needed only
** Professional indemnity insurance		IDR 192,000	IDR 10,000,000 per year / 52 weeks per year (2nd year onwards, possibly)
Foundation (legal entity) administration		IDR 180,000	IDR 9,000,000 per year / 52 weeks per year (1st year only)
** Foundation administration		IDR 24,000	IDR 1,200,000 per year / 52 weeks per year (2nd year onwards)
E-commerce engineering		IDR 200,000	As needed only
International transport tickets		IDR 670,000	(IDR 35,000,000 for 2 return journeys per year) / 52 weeks per year
Field trip costs		IDR 1,200,000	(IDR 350,000 / day x 180 field days per year) / 52 weeks per year
Strategy / media work (USA)		IDR 360,000	2 hours' work; as needed only
** Alastair's daily wage		IDR 2,100,000	IDR 300,000 every day; to start only when finances secure
** Nila's daily wage		IDR 840,000	IDR 120,000 every day; to start only when finances secure
Sundries		IDR 200,000	Anything unexpected
	IDR 2,000,250	IDR 16,209,000	For the first year only (excluding entries with **)

Anticipated budget (a busy week) based on project conditions as of July 2015.

**ashdgfwd - Excel**

SUBSCRIPTION CANCELLED To keep using Excel without interruption, please

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ADD-INS novaPDF

A858 : X ✓ fx Mucus

Are those gas bubbles?  
A seed (bottle sample)  
A society is the product of its education system  
A typical beetle or "bug"  
Baby animal names  
Baleen  
Basic knot-tying  
Basic metamorphosis  
Basic soil horizons  
Be an informed shopper  
Beaks  
Bed bugs  
Benefits of reading  
Bees  
Beetles  
Bioaccumulation  
Biological hotspots  
Biomagnification  
Blood circulation valves  
Bogs and marshes

Latitude and longitude  
Leaching  
Legumes  
Lice  
Lichen  
Lightning  
Logarithmic growth  
Maintenance  
Malaria  
Mammal skulls  
Mariana Trench  
Mastication  
Minerals and metals (sample)  
Moles  
Momentum  
More people, more damage  
More than just food scraps  
Moths  
Neurotoxic snakes  
Noam Chomsky

Symmetry  
Systemic chemicals  
Tardigrades  
Taxidermy  
Taxonomy  
Temperature  
Tendrils  
Territory profile New Caledonia  
The downhill trend  
The journey of cigarette smoke  
The Leakey family  
The Pacific Gyre  
The water cycle  
Thunder  
Ticks  
Traditional medicines  
Typhoid and cholera  
Typical decomposing leaf  
Tyres in your garden  
Understand, then decide

Sheet1 +

READY

Windows Taskbar: Internet Explorer, File Explorer, Control Panel, Network, Task View, Mozilla Firefox, Microsoft Edge

**ashdgfwd - Excel**

SUBSCRIPTION CANCELLED To keep using Excel without interruption, please reactivate

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW

A1163 : X ✓ fx The environment is "out there"

Latitude and longitude  
Leaching  
Legumes  
Lice  
Lichen  
Lightning  
Logarithmic growth  
Maintenance  
Malaria  
Mammal skulls  
Mariana Trench  
Mastication  
Minerals and metals (sample)  
Moles  
Momentum  
More people, more damage  
More than just food scraps  
Moths  
Neurotoxic snakes  
Noam Chomsky

Symmetry  
Systemic chemicals  
Tardigrades  
Taxidermy  
Taxonomy  
Temperature  
Tendrils  
Territory profile New Caledonia  
The downhill trend  
The journey of cigarette smoke  
The Leakey family  
The Pacific Gyre  
The water cycle  
Thunder  
Ticks  
Traditional medicines  
Typhoid and cholera  
Typical decomposing leaf  
Tyres in your garden  
Understand, then decide

Sheet1 +

READY

Windows Taskbar: Internet Explorer, File Explorer, Control Panel, Network, Task View, Mozilla Firefox, Microsoft Edge

Some of the lessons made by August 2015



335	Basic composting (video)
336	Basic map-reading
337	Basic recycling (video)
338	Bat-eared foxes
339	Bat migrations
340	Beavers
341	Beluga
342	Bermuda Triangle
343	Bialowieża Forest
344	Biodegradable plastics
345	Biodiversity
346	Biofuels
347	Biogeography
348	Biological dead spots
349	Biological species control
350	Biomass
351	Biosecurity
352	Biosphere 2
353	Bird feeders
354	Bird migration nightmare

	A858	Mucus
638	Gestation periods	
639	Geysers	
640	Giant pandas	
641	Gibbons	
642	Gibson Desert	
643	Gills	
644	Giraffe	
645	Glaciers	
646	Glaciology	
647	Gobi Desert	
648	Goitered gazelles	
649	Gorillas	
650	Grapes	
651	Graphite	
652	Grazing animals	
653	Great apes	
654	Great Barrier Reef	
655	Great Rift Valley	
656	Greed	
657	Green citrus aphid	

	A1163	The environment is "out there"
1164	The epiglottis	
1165	The Grand Canyon	
1166	The Gulf Stream	
1167	The Harmattan	
1168	The IUCN Red List	
1169	The Masai Mara	
1170	The Matterhorn	
1171	The moon	
1172	The nervous system	
1173	The scientific method	
1174	The Serengeti	
1175	The universe	
1176	The war economy	
1177	The world wars and consumerism	
1178	Thorns and spikes	
1179	Three Gorges Dam	
1180	Three-toed sloths	
1181	Thrips	
1182	Tide pools	
1183	Tigerfish	

## Some of the lessons to be made, as of August 2015



Photos to help explain nut development, light, sedimentary rock, ferns, palm trees, water hygiene, food safety, leaves and soil horizons.



**Raven**

- general foraging
- tough

poly many  
shar

Hawk

- for tearing flesh
- gripping meat
- specialised

lear

Hoopoe

- searching for small insects in tree bark
- sensitive



**Crossbill**

- gripping and cracking seeds
- very specialised



Flamingo

- filter-feeding
- sensitive
- specialised



Hornbill

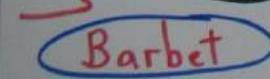
- for elaborate displays

# BEAKS

Adapted to a bird's lifestyle.

Teach others.

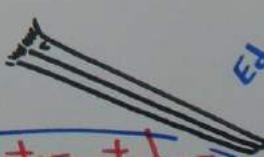
Birds are not the only creatures with beaks.  
What other animals have beaks?



**Barbet**

- catching insects
- crushing exo-skeletons
- general foraging

Learn to understand nature.



Oystercatcher

- pulling food from small spaces
- specialised feeding



Parrot

- cracking open seeds
- gripping branches
- very strong

Did you know?  
Bird beaks are used to classify bird species groups.

Education is good!

The lesson on bird beaks. Photos to be added.

A large group  
of plant-  
feeding insects

# CICADAS



A cicada's  
life cycle

The female lays eggs on trees. These drop to the ground when hatched. The tiny insect stays there for months or years, then climbs a tree to shed its exo-skeleton. The adult flies away.

→ THERE ARE VARIATIONS

There are many species and they are an important food/protein source for birds and small mammals.

Cicadas live off the juices they suck out of trees.

- Have you noticed that all 3 of these cicada species have body parts that look similar?

CICADAS ARE LOW DOWN ON THE FOOD CHAIN

Entomologists, scientists who study insects, look at insects' physical characteristics like these when identifying insects.

The most famous cicada of all has a 17-year life cycle. The flightless hatched stage stays underground about 17 yrs.

Cicadas are some of the loudest insects.  
How do they make noise?

The lesson on cicadas. Photos to be added.

Bull sharks, alligators, guillemots and lots of other species do not chew their food.

Some animals chew their food a little. Others chew it a lot. Some chew it more than once.

Some animals cut off plant material with their teeth. Others wrap their tongues around vegetation.

Still others bite or tear off food violently.

Once in the mouth, food is placed between upper and lower teeth or teeth and chewing pad. (DENTAL PAD)

Some species grind food from side to side.

Others eat similarly to humans, by chewing in up-down movements.

The tongue moves food around in the mouth and mixes it with saliva.

Saliva is released into the mouth through small pipes' ends.

When the food has been broken into smaller pieces, it is swallowed together with lots of bacteria that start digesting it.

# MASTICATION

Pudding (chewing)

Start of the digestion process.

Examples:  
buffalo  
kudu

Say: mas-tik-ay-shin

Animals that chew from side to side often grind their molar teeth heavily.

Think

The lesson on chewing. Photos to be added.

Do you have a small piece of soap left over, like this? Do you have many?



Leave

3.

Put the bits in a **METAL** container and add boiling water. Add just enough water to make a paste like mud.



Do you know that new soap can be made by mixing charcoal and animal fat in the correct proportions?

Soap is chemically different to detergent. Soap is less damaging to ecosystems than detergent.

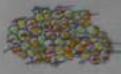
1. Collect them as you create them by washing your hands and body.

4. Stir the mixture vigorously and try to make the paste smooth.

2. When you have quite a few tiny soap left-overs, break or cut them into tiny bits - as small as you can, like this:

5. Leave your mixture to dry and you will have a **FREE** bar of soap!

Do you know that bubbles on soap is called lather?



Start today!

Action for a healthier world!

# GET MORE SOAP SAVE MONEY ☺

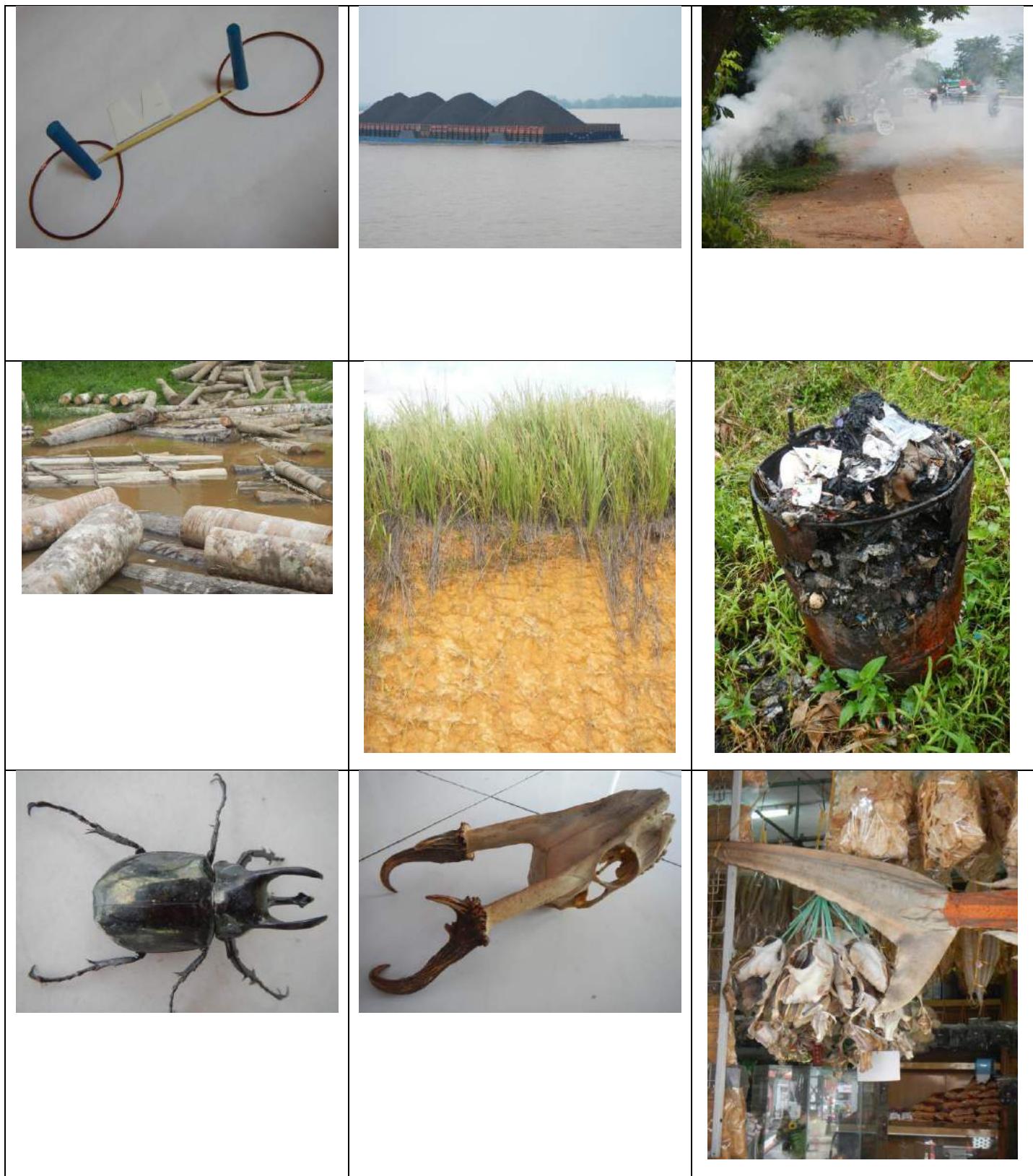
NEVER

THROW  
DETERGENT  
INTO A RIVER.  
IT  
DAMAGES  
ECOSYSTEMS.



Never mix your soap in a plastic container. Doing that can release toxic fumes into the air you breathe.

Show others....



Photos to help explain human-powered vehicles, resource extraction, chemical fires, logging, soil erosion, insects, skulls and trade in wildlife.

# BABY ANIMAL NAMES

A young

is called a

- KANGAROO
- ELEPHANT
- ZEBRA
- BIRD
- HYAENA
- LEOPARD
- WHALE
- FISH
- SEAL
- BUFFALO
- PENGUIN
- BEAR
- OSTRICH
- DEER

African  
elephant  
calves  
weigh  
120 kilo-  
grams!



JOEY

CALF  
FOAL

CHICK / FLEDGLING

PUP

CUB

CALF

FRY / FINGERLING

PUP

CALF

CHICK

CUB

CHICK

FAWN

*Question:  
What is a  
baby narwhal  
called?  
How big  
is one?*

Learn every day...

Some animals are known by 3 or more names during their growth phases. Can you name one?

The lesson on names of selected young animals. Photos to be added.

Useful for very specific control, but plant systemic options are more popular in many industries.

No matter which type you use, **ALWAYS** follow all instructions!

Some weeds are very tough and can survive a dose of contact herbicide. In such cases, systemic herbicides are usually preferred.

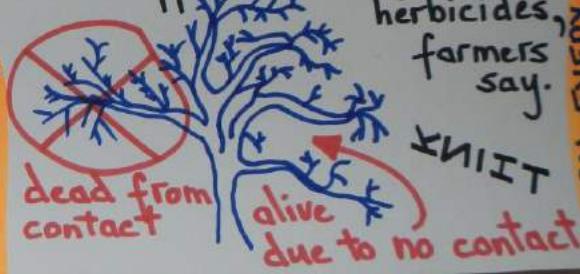
These are a group of plant poisons which work by poisoning the plant only where they touch it.

Usually sprayed only the leaves. Sprays kill only the leaves.

## CONTACT HERBICIDES

Not as effective as systemic herbicides, farmers say.

THINK FIRST: environment friendly alternative?



LEARN EVERY DAY

Here is an example of positive acceleration, no acceleration or deceleration. A Peregrine falcon hunts. It dives to catch flying prey.

**1** The falcon sees a potential meal below and prepares to accelerate. It is currently flying at a constant speed. The dove is also flying at a constant speed so it is not accelerating.

**2** The falcon enters a high-speed dive. Its speed increases every second until it is diving at hundreds of kilometres per hour. Its body is accelerating very fast. Think.

**3** If the falcon dives far enough in this way, it will reach its maximum speed. If this happens the falcon will stop accelerating. Its speed will have become stable as it continues to dive.

**Quick facts:**

- Acceleration can be positive or negative, depending on whether something's movement is increasing or decreasing in speed.
- Negative acceleration is also called deceleration.
- Acceleration is used in nature every day.

# ACCELERATION!

Share what you know!

ation while moving, and doves and other small birds.

The falcon prepares to strike the dove, it may need to turn in the air if the prey tries to escape. Turning will cause the falcon to enter negative acceleration (slowing down). The dove may accelerate positively to try and get away.

The impact of the falcon striking the dove will cause negative acceleration for both creatures. The falcon may then keep decelerating or it may accelerate positively.

**6** While controlling its acceleration the falcon will fly to a perch and begin eating the dove.

Share what you know!

**Research**

How do gravity, momentum and mass affect acceleration and deceleration?

**STAR-NOSED MOLES** can move to catch their prey so fast that they are too speedy to watch with the naked eye.

**BLUE MARLIN** can chase and catch fish by propelling their bodies with great energy.

**PEREGRINE FALCONS** can dive through the air with huge speed by holding their wings in certain positions.

An example of a lesson using phenomena from nature to explain a principle in physics. Here, acceleration is explained by referring to a hunting falcon. Photos to be added.

# BENEFITS OF READING

Knowledge will not look for you. Get it by reading.

You will find money management easier because you understand it.

READ!

You will get good exam marks.

It will help you choose a great career.

With you make better decisions.

Most all reading will make you feel

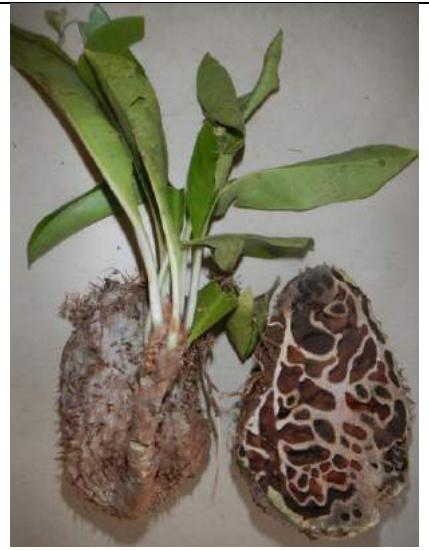
Life can be complex. The more non-fiction you read, the easier it will

live healthily. Know how to cause you will visits be - your doctors, you can limit

keep it that way. Be for you to work out how to avoid issues, succeed and

You will understand so much more about the world around you.

If you read a lot, you will be able to solve more problems.



Photos to help explain plant growth, water plants, ants' nests, animal cruelty, river development, marshes, bat biology and deforestation.

Several hundred years ago, there were so many big wild animals in sub-Saharan Africa that hunters could spend weeks killing and there would always be more.

Today, all African elephant sub-species are close to extinction. So are black and white rhino, and lions. All Africa's buffalo will join this list next if people do not protect them. Leopard numbers are also decreasing.

# AFRICA'S BIG FIVE

refers to the African lion because the Cape and Barbary lion were hunted to extinction.

refers to the African leopard, and sometimes includes endemic sub-species.

Learn  
Join office  
A CONSERVATION VOLUNTEER AT NEVER HUNT ANIMALS

Lion  
Leopard  
Rhino  
Buffalo  
Elephant

refers to the African savannah elephant because the forest elephant is uncommon.

## THREATS TO THE BIG FIVE INCLUDE:

too many people + corruption + habitat destruction

TEACH  
In-tact ecosystems  
BIG FIVE distribution 200 years ago  
Think!  
(Rough map to illustrate.)

EDUCATE  
VERY damaged ecosystems

BIG FIVE distribution today.

RESEARCH  
Which one of the big five is likely to go extinct first?

THINK  
refers to the white rhino because people have almost hunted the black rhino to extinction.

HUNTERS  
poaching + farming  
mining + garbage

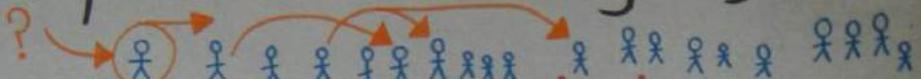
Marketing themselves as "big five destinations".  
But poachers and hunters continue to kill these species.

The big five were so named because they are a challenge to hunt.

The lesson on Africa's Big Five and their peril. Photos to be added.

# Take care | CONTAGIOUS DISEASE Example: flu.

A contagious or communicable disease can be passed from one person to another, usually very fast.

EXAMPLES: ? 

- = A person coughs in your face, and when you breathe in, you inhale whatever that person coughed at you. (Viruses are common).



- = A person has a poo. They wash their anus with their hand and then make you dinner. If they have a gastric disease such as cholera, and they serve you an invisible bit of their poo on your dinner, you will probably get cholera.

Good ways to prevent the spread of such diseases:

FIND OUT WHICH DISEASES IN YOUR AREA ARE CONTAGIOUS. LEARN ABOUT THEM.

ALWAYS WASH YOUR HANDS WITH SOAP AFTER WEEING, POOING AND HAVING YOUR PERIOD.

STAY AWAY FROM PEOPLE IF YOU GET SUCH A DISEASE UNTIL YOU ARE BETTER.

ALWAYS WASH YOUR HANDS WITH SOAP BEFORE TOUCHING FOOD.

The lesson on how disease can spread person-to-person. Photos to be added.

Our food, clothes, electronics and more look **GREAT** when we buy it. But just what had to happen to get it to us? Some companies are very good at doing ethical business at every step. Some companies are very bad and cause a **LOT** of damage while producing things.

Here is an example of a sustainably made shirt, and an example of an unethically made shirt.

In both cases, the finished shirt looks **amazing** and it's exactly what you need.



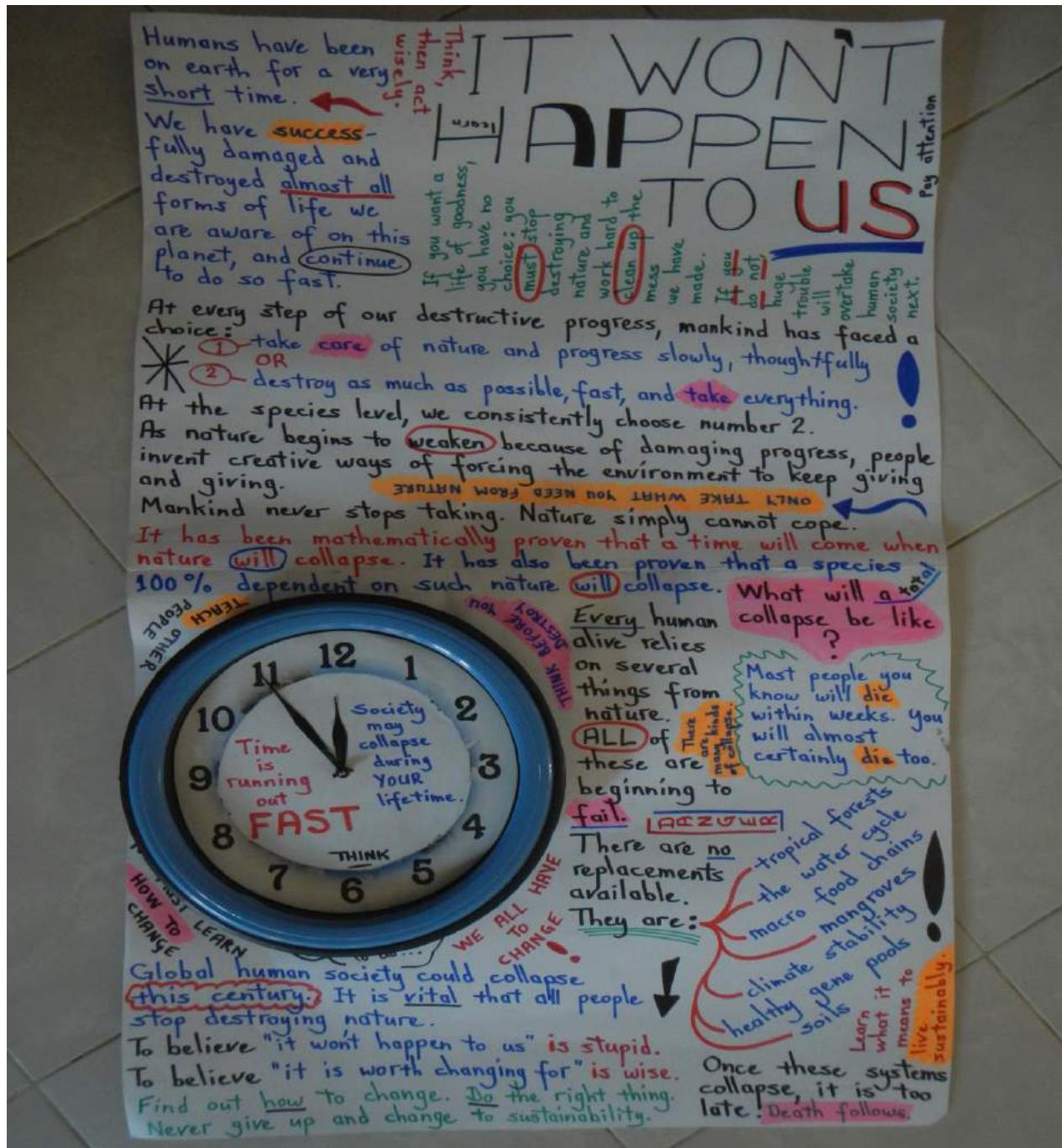
**CHOOSE** Many bad companies deceive the public. They are cruel to workers and they do very ugly things to nature.

**OR** Research. If you are buying from an environmentally destructive business, stop. Find a good alternative and switch. Be an informed shopper. This way, people can help good companies push the bad ones out of the market!

Choose wisely...

**BE AN INFORMED SHOPPER**

Example of a lesson designed to make children question the origins of things they buy, and whether manufacturers followed acceptable codes of ethics. Photos to be added.



Alastair believes that balanced environmental education is needed. This encourages children to think through scenarios for themselves, and rationalise potential decisions. Therefore, lessons on socio-environmental collapse, such as this, are included. Photos to be added.



A selection of lessons, all of which will have photos attached.

## PLASTIC

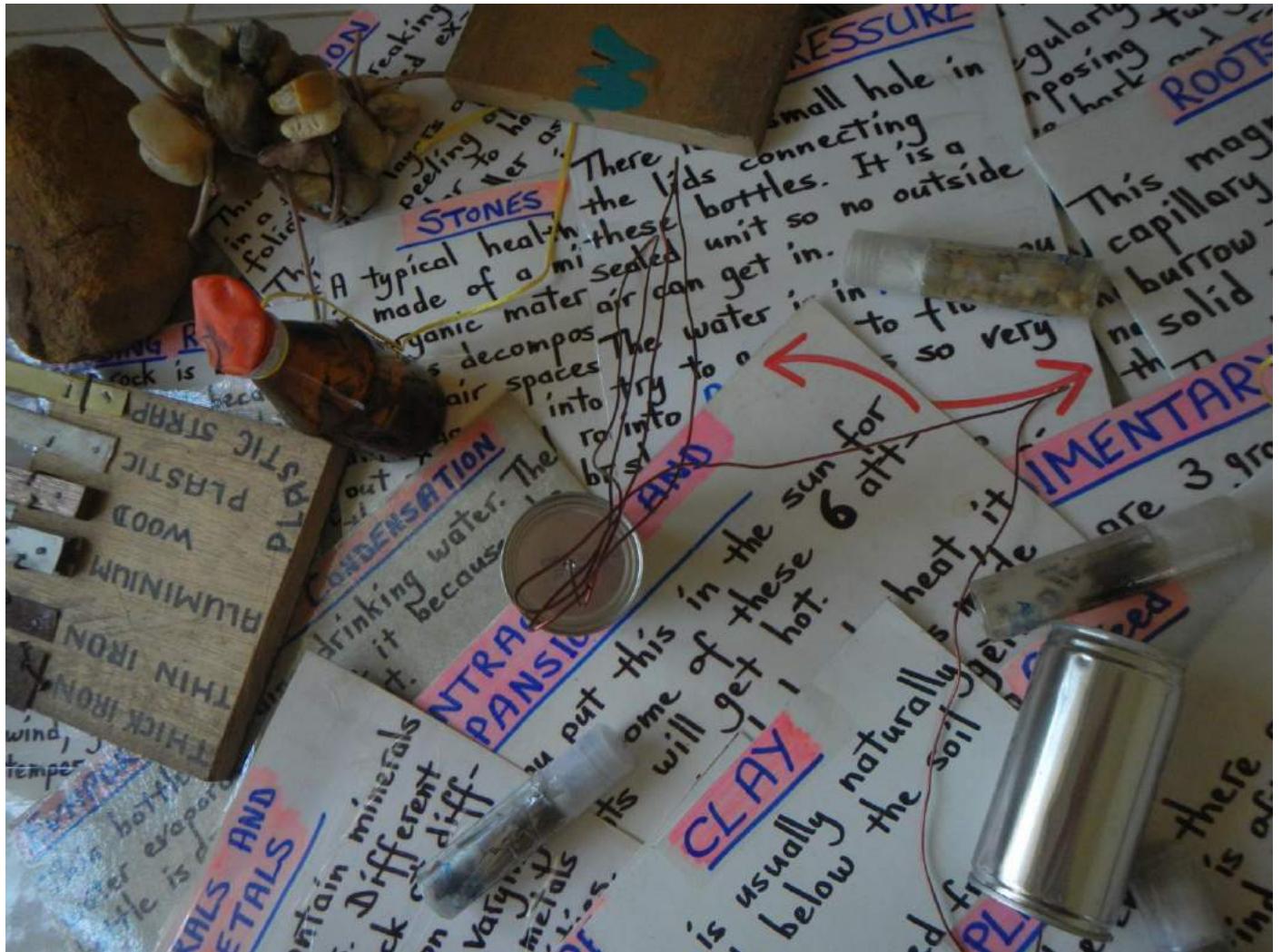
Wherever there are people, it is often common to find litter.

The smaller an item of litter, the more easily it may travel.

Little bits of plastic such as these can blow, wash into or be dug into vegetable garden soil easily. 

If they get in or are not removed, such items of

One side of a double-sided card referring to a sample of small bits of plastic taken from a vegetable-growing patch. Avoiding eating food grown in plastic waste may seem obvious, but many of these children are completely unaware of any associated dangers.



A selection of models and samples, with explanation sheets.



This recycled board makes it clear that if students want to be champions, they must not smoke. It was made with 2,500 cigarette butts which Alastair picked up in jungle settlements despite ridicule. The two white sheets encourage readers to think of the health impacts of smoking, the environmental impacts of tobacco production and use, as well as how to quit. It is on display in Muara Tuhup village school library where teachers refer to it and explain the content.



An example of cleaned and prepared garbage for use in a wide variety of models and demonstrations.



Lessons made entirely from garbage apart from glue, wire and tape.

Shopping is a waste of time and money. It got me thinking: this is not funny.

If I will not use something very often, I should feel guilty when it's forgotten.

How much jungle was destroyed to remove it; how much coal burned to produce it?

How much poison was applied to preserve it; how much plastic wasted to pack it?

Many things I buy break and need replacing. Every time, it's ecologically disgracing.

I'll explain to my friends this whole process and urge them never to buy in excess.

Truncated.

Content in the form of lyrics, such as this excerpt from a rap song script, will be delivered to the public using catchy tunes. The goal is to have listeners begin memorising the words and thereby start to think about sustainability.



**Rules reviewed and approved by RHR. David R. Adamovich, Ed.D., U.S. President.**

## **LARGEST COLLECTION OF HAND-MADE EDUCATIONAL ITEMS**

These guidelines are for the largest collection of educational items that have been produced non-commercially.

1. Items must be hand-made, meaning they are to be produced individually / by individuals or groups of individuals in their private capacities, independently of the commercial environment.
2. No items may be made in commercial processes, by using commercial machinery running on live production lines, as services from commercial operations or in other commercial ways.
3. Digital items may be made using editing software.
4. Items may take any form i.e. posters, static models, recorded interviews, banners, games, photos, picture stories, videos, notices, works of art, cartoons, samples, poems, working models, songs, experiment apparatus, sculptures, toys, sound recordings, artefacts and the like.
5. The purpose of each item must be to convey factual educational content.
6. No sequence needs to be followed when creating content, which can be on any subject.
7. Any type of materials may be used.
8. Physical items may be of any shape and size, and digital items may be of any length.
9. Each item must be substantially different in content, although content may overlap.
10. Any number of assistants may be involved.
11. There is no time limit.
12. No illegal content will qualify; items containing such will not count towards the claim tally.
13. All items must be simultaneously displayed in a single publicly accessible venue to qualify - video and photo evidence must confirm this.
14. Clear video of every item, a clear photo of every item, and a list giving the title of each item must be submitted with the claim.
15. Two independent witnesses must confirm the tally of the display, and confirm in writing that all guidelines were followed.
16. Only one person may submit the claim.

End.



Alastair's field trip gear is minimalist. It comprises clothing, a towel, a hammock, a bedsheet, a waterproof camera, a video camera, a phone, a comprehensive first aid kit, a comprehensive survival kit, a monocular, a poncho, a water filter and a sheet of Perspex used for photographing cross-sections of fauna and flora against.



This was the first tree-planting in November 2015. A species of mangrove was planted in river shallows, South Kalimantan, Indonesia.

In the time it took to do this, the team saw several large barges carrying timber, coal and sand out of the jungle.

Alastair wants to plant much more terrestrial and riparian vegetation.

# Elephants *for* Africa

Conservation through research and education



The Coach House  
Old Bristol Road  
Woodford  
Berkeley  
GL13 9JU

[Info@ElephantsForAfrica.org](mailto:Info@ElephantsForAfrica.org)  
[www.ElephantsForAfrica.org](http://www.ElephantsForAfrica.org)

Monday 21<sup>st</sup> September 2015

Re: Environmental Education

To Whom It May Concern:

I have been working and researching the wildlife of Southern Africa for 18 years and elephants in particular since 2002.

During this time I have grown to understand that the conservation needs of the wildlife and wild places are reliant on the people that live alongside them, as well as the global community. As our human population increases and our demands on the environment increase ever more so, the threat to our remaining wilderness areas are becoming unsustainable. Education and working towards human-wildlife co-existence is a vital component of any long-term conservation measures that local and international governments may put in place.

As humans we are part of the ecology of earth and we need ecosystems to function in order for us to survive, thus environmental education to empower communities living alongside wildlife in a sustainable and safe way should be a priority for all.

I therefore support Mr Galpin in his efforts to support local environmental education initiatives in Borneo.

Yours sincerely

A handwritten signature in blue ink that appears to read "Kate Evans".

Dr Kate Evans  
Founder and Director



Komp. Bangun Reksa Asri. Blok. J No. 4 Balikpapan.Indonesia  
Telp 62-542-861280-7209270/0811593434 [Email:interact.balikpapan@yahoo.co.id](mailto:interact.balikpapan@yahoo.co.id)

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Dear Al,

I totally agree with you that environmental education is badly needed worldwide.

Environmental education should be conducted in such a way that it bridges school education and community knowledge. It should be implemented more widely than it is currently, and by far more people.

Kalimantan's forest – also known as the lung of Kalimantan - should be kept as it is. We don't want it to be destroyed. I know that a government policy to insert environmental education in our curriculum exists. Yet, we need to do wider and more real things to keep and take care of our environment such as our forest, land, and water in Kalimantan. If we do not take care of our island better, I can't imagine how it will be in the future.

Noor Yanti Aziza

English teacher  
Balikpapan  
Indonesia



**SOUTHERN VISTA TOURS**  
**Directors Steve and Terri Lawson**

25D Creek Road, Ashburton 7700. Tel: +64 3 3081181 Steve Cell: +64 21 828 423

Terri Cell: +64 21 595 044 Free [New Zealand only]: 0800 559044

E-mail: [southernvista.tours@gmail.com](mailto:southernvista.tours@gmail.com) Facebook: Southern Vista Tours

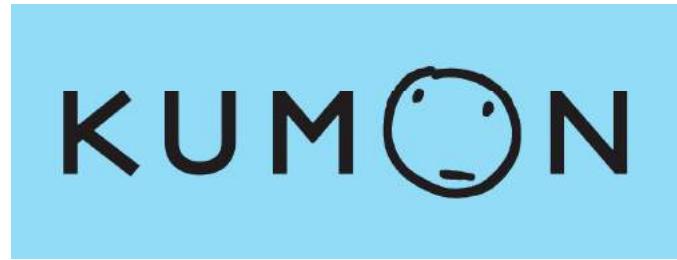
**ALISTAIR GALPIN**

I have known Alistair for many years, and he has always been passionate about nature and the environment. We are an owner operated tourism company, taking tours throughout Africa. In our capacity as tour operators, we share his passion and desire to see the environment and the beautiful creatures that inhabit it preserved for the enjoyment of ourselves and future generations.

Education of local populations is a vital part of creating in them an appreciation of our natural habitat, and involving them in the protection and preservation of the habitat for the benefit of all mankind.

We support Alistair's efforts to support environmental education in Borneo, and wish him all of the best in his endeavours.

Steve Lawson  
Director  
Southern Vista Tours  
New Zealand



Dear Al

I couldn't more agree with you about the environmental education.

Pollution in Indonesia has become a giant problem for the country and its people. Because of its huge amounts of factories, it is one of the fastest growing countries in pollution. Air pollution is the leading causes, it causes breathing problems and other lung related diseases.

We have to take care of our island, start from our self.

Wish you all the best.

Best Regards

Betty Lusiawaty  
Principal Kumon Danau Agung Sunter  
Indonesia

September 26, 2015

Ankara

### To Muslim youth

Today's most serious problems which jeopardize our future are environmental. These problems threaten not only ourselves, but also the whole world, and future generations and their right to live in a healthy environment.

As a Muslim scholar, I understand the environment from a broad perspective. Our environment is formed by our house, garden, and car, the air we breathe, the water we drink, the town in which we live, and the people we live with. So too, it is formed by the seas, lakes, rivers, roads, mountains, and forests, which are shared by all the members of society. Thus, when we say "environment," we understand all natural surroundings in which all living creatures and we live.

By "environmental pollution," we mean the dirtying and spoiling of these natural surroundings. The air is polluted, the seas are polluted, the ozone layer is diminishing, and animal species are becoming extinct. Pollution of the social environment should be added to these: poverty, deprivation, homelessness, migration problems, racism, abandoned children, drug abuse, alcohol addiction, and other problems.

Many contemporary thinkers and scientists have stated that religion has an important role to play in overcoming these problems and in the development of comprehensive and integral environmental consciousness.

We are God's vicegerents on the earth. The whole planet has been given to us in trust. Just as we are not the lords of nature and the world, so the world is not our property which we can dispose of as we wish or as we are able. Islam teaches us too that we are created by God and that we shall return to Him in order to give account for our actions. This means that we are answerable for all that we do, both the good, and the evil.

Doubtless, one of the most important aspects of protecting the environment and ecology is the conservation of the trees, forests, woodland, countryside, and all the living creatures whose habitats are such areas. We see that Islam puts forward important principles for these, too.

Today many animal species are becoming extinct. Other animals stray abandoned and hungry in the streets. Taken as a whole, therefore, it cannot be said that we treat animals well and carry out our duties towards them. In my view, one of the most important reasons for this is our indifference towards Islamic values. For Islam regulates not only relations between individuals and between individuals and society and the state, it also regulates relations between man and nature and man and the environment. A natural consequence of

this is that man is answerable to God for his attitude and actions towards nature and animals.

As with the important place given to animals by the Qur'an, the Prophet Muhammad (PBUH) also insisted on the protection of animals and the kind treatment of them. His concern that they should be well treated, protected, and not abused or degraded is truly noteworthy. The Prophet even prohibited torture and abuse of animals.

A further important Islamic principle related to the environment is the Islamic prohibition concerning thoughtless consumption; that is, wastefulness and extravagance. Wastefulness is not only the thoughtless consumption of natural resources, it is at the same time disrespectful towards God, the Creator and Owner of all the bounties. For this reason, in Islam, eating and drinking of licit food is lawful, but wastefulness is forbidden. At this time we know better than at any other that the world's resources are limited. Extravagance and over-consumption will affect not only ourselves, but forthcoming generations. We are therefore compelled to be aware and sensitive concerning this matter.

To conclude, the world belongs to all of us. We are all obliged to conserve and protect. We must co-operate and work together for a better world, a better future, and a better environment. We must love and preserve our environment and all the living creatures within it in the name of our Sustainer, who created them and entrusted them to us. In this way, the 21st century will be the century of peace, happiness, tolerance, and brotherhood. Not only for men, but for all creatures, animate, and inanimate.

Barrakallah

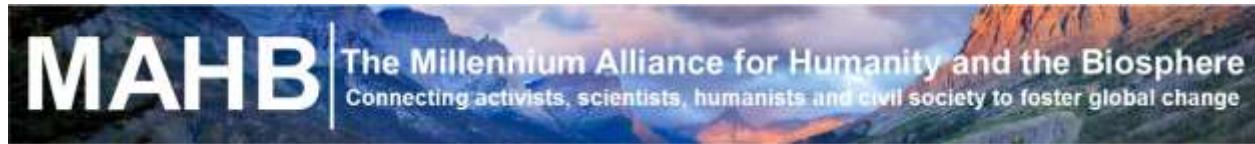
DR. İBRAHİM ÖZDEMİR

Professor of Philosophy  
İpek University  
Ankara  
TURKEY  
[ib60dmr@gmail.com](mailto:ib60dmr@gmail.com)

Founding President of Hasan Kalyoncu University

Recent publications include:

- *The Ethical Dimension of Human Attitude Towards Nature*
- *Jalaluddin Rumî and Confucius: Messages and Visions for a New Century*
- *Globalization, Ethics and Islam*



November 10, 2015

Millennium Alliance for Humanity  
and the Biosphere  
Stanford, California, USA  
[info@mahbonline.org](mailto:info@mahbonline.org)  
[mahb.stanford.edu](http://mahb.stanford.edu)

Alastair Galpin  
Have They Told You?  
Re: Environmental Education in Indonesia

To Whom It May Concern:

The cumulative knowledge from the natural sciences clearly shows that the global ecosystems upon which humanity depends have been significantly degraded. With this decisive diagnosis of the ill-health of our life-support systems there is the clear need for remedy. The MAHB's core commitment is to develop that remedy: to support global civil society in shifting human cultures and institutions toward sustainable practices and an equitable and satisfying future.

At the heart of such a shift is a global community with the understanding of how Earth's systems work and our place within them. Environmental education provides an opportunity to build and expand this understanding. Students positioned within their local environments discover the intertwined systems at work and follow the systems' paths to the global level.

In a place like Indonesia, where the local environment and decisions are so tightly tied to the global ecosystem, environmental education of all students is indispensable. Indonesia represents an area that simultaneously holds great hope and great risk for local and global ecosystems. It is critical that the upcoming generation of decision-makers hold the knowledge and tools promoted by environmental education.

All the best,

Erika Gavenus  
MAHB Communications Officer

OFFICE OF AL & TIPPER GORE

July 18, 2007

Alastair Galpin  
[REDACTED]

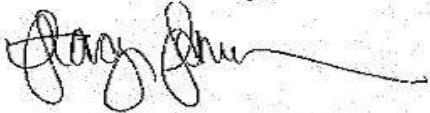
Dear Alastair:

Thank you for writing to Former Vice President Gore and for including information about your concept for environmentally sound housing. Mr. Gore's work on environmental issues is critically important to him, and he welcomes your comments and suggestions.

We're always pleased to hear that others are taking the time to better inform themselves about the environmental challenges we are facing. We must continue in this effort not only for the future of our children, but for the future of our planet. Certainly, each one of us will benefit from a cleaner, more protected earth.

Again, thank you for thinking of Mr. Gore and keep up the important work that you are doing. Best of luck!

Sincerely,



Stacy Schumaker

PS. Please note that all proposals related to Virgin Earth Challenge must be submitted via [www.virginearth.com](http://www.virginearth.com), per their timing, rules and regulations. Due to contest restrictions, our office is unable to submit or forward any contest-related materials. Also note, Mr. Gore does not endorse specific products.

2100 WEST END AVENUE • SUITE 620 • NASHVILLE, TN • 37203 • PHONE: 615-327-2227 • FAX: 615-327-1323

PRINTED ON RECYCLED PAPER

Previous environmental projects Alastair has undertaken have attracted international attention, as can be seen from the attached letter from Al Gore (former Vice President of the USA). It is hoped that this project will raise the environmental profile of Indonesia and attract similar international attention and support. Please note that some particulars have been purposefully greyed out.