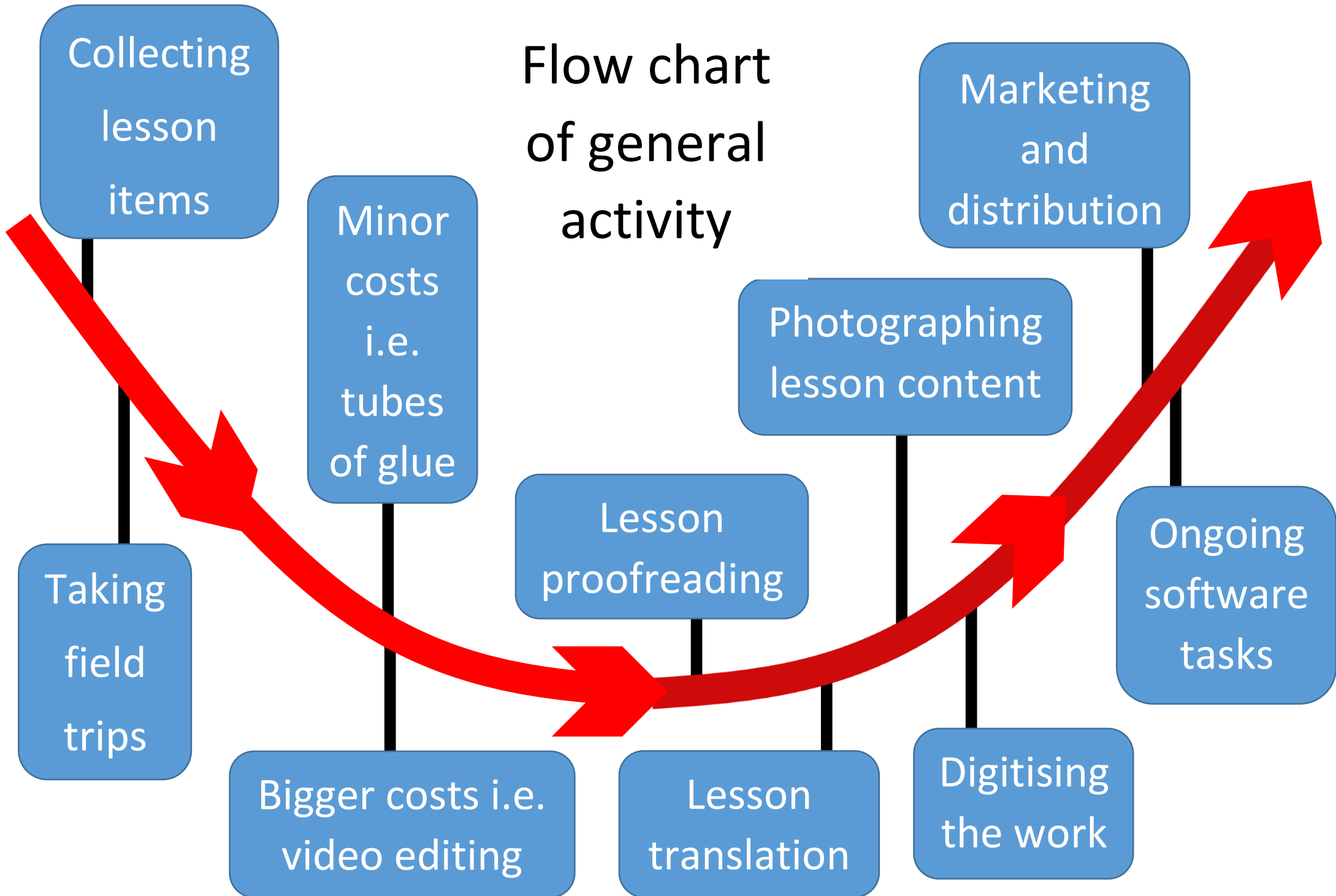


The project's efforts are aligned most closely with components of Millennium Development Goal 2 and 7, with a secondary focus on some MDG 5 and 3 components as well as components of MDG 1. Excerpts taken from these MDGs highlights our project values:

- 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

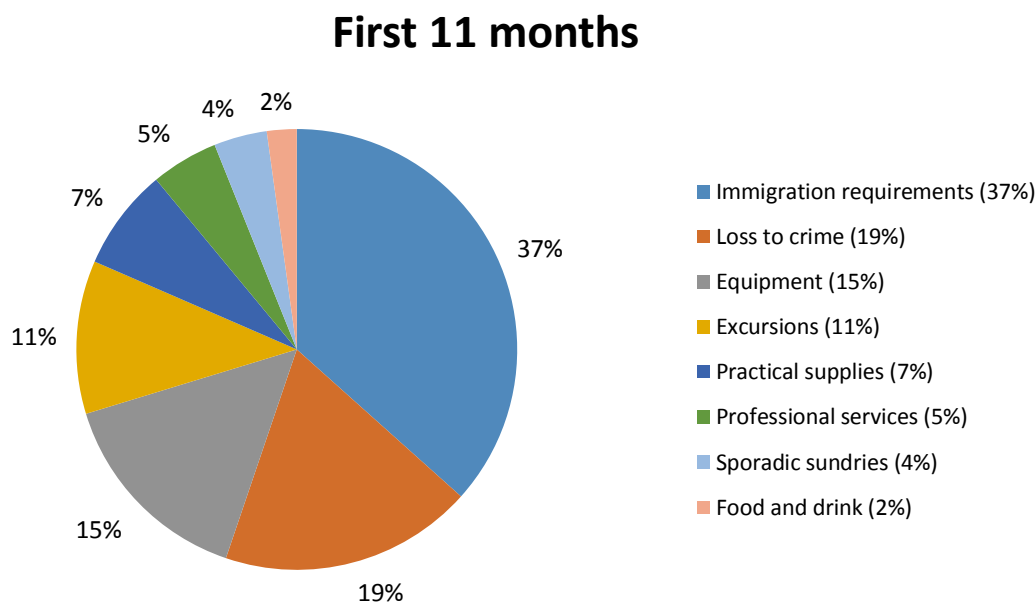


Distribution of costs – first 11 months

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)



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
5/2/15	6,700	Two water books	Nila A.
6/2/15	100,000	pay boat to help collect litter with 14 staff guide	Nila A.
16/2/15	100,000	Tulup - Marawi boat + water x 2 pax + 1 return	Nila A.
17/2/15	149,000	Marawi - Puruk Caku boat x 2 pax	Nila A.
18/2/15	186,000	2 pax - boat + sunset cruise boat to catch up + drinks, Puruk Caku - Tulup	A.G.
18/2/15	16,000	drinks for 2 pax	A.G.
17/2/15	30,000	drinks for 15 in Tulup	A.G.
20/2/15	75,000	internet credit + boat across Tulup river crossing	A.G.
20/2/15	400,000	gift for Mirja + Mr Ariong for accompanying AG upriver	A.G.
21/2/15	150,000	internet credit - Tulup water	A.G.
22/2/15	15,000	script boat in Tulup	A.G.
27/2/15	61,000	glue + milk - school, Tulup	A.G.
4/3/15	342,000	gas, coffee, boat, meals in Tulup	A.G.
4/3/15	355,000	visa extension for A.G.	Nila A.
5/3/15	90,000	boat + glue, Tulup	A.G.
9/3/15	120,000	boat + nylon line, Tulup	A.G.
12/3/15	35,000	supplements + anti-malaria	N.A.
12/3/15	339,415	food for Tulup	N.A.
19/3/15	50,000	internet credit, Tulup	N.A.
21/3/15	70,000	river crossings + general Tulup	N.A.
22/3/15	100,000	Mirja to buy sulphuric acid etc	A.G.
25/3/15	130,000	general food + boat, Tulup	A.G.
28/3/15	200,000	water, food from Taweh	N.A.

Date	Cost	Description	Paid by
29/3/15	100,000	general supplies, Taweh	A.G.
31/3/15	155,000	AG passport photos, Taweh	N.A.
10/4/15	300,000	food supplies, Taweh	A.G.
11/4/15	350,000	visa extension + fee	N.A.
14/4/15	107,000	food + education items	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, Tulup	N.A.
24/5/15	100,000	supplies + boat, Tulup	N.A.
25/5/15	175,000	food, marker ink, Taweh	N.A.
26/5/15	200,000	supplies, Taweh	N.A.
26/5/15	200,000	cutting paper x Taweh	N.A.
27/5/15	100,000	glue, Taweh	N.A.
27/5/15	200,000	glue, Taweh again	N.A.
28/5/15	400,000	glue, Taweh	N.A.
28/5/15	100,000	supplies, Taweh	N.A.
30/5/15	150,000	special boat, Tulup - Tulup	N.A.
30/5/15	71,000	supplies, Tulup	N.A.
6/6/15	100,000	general, Tulup	N.A.
13/6/15	300,000	supplies, food, Taweh	N.A.
18/6/15	200,000	66% boat repair trip, Belauka Raja	N.A.
22/6/15	628,600	guide + photo trips P. Raja	N.A.
22/6/15	250,000	supplies, Belauka Raja	N.A.
26/6/15	100,000	supplies for P. Raja	N.A.
10/7/15	355,000	visa extension	N.A.
11/7/15	300,000	Nikon camera battery	N.A.
16/7/15	560,000	supplies, Bgim/maki	A.G.

Date	Cost	Description	Paid by	Withdrawn by
21/7/15	500,000	deposit - new BTL acct.	N.A.	
23/7/15	450,000	taking back excess on commercial opening deposit		
23/7/15	100,000	occupancy advice, Bgim	N.A.	
24/7/15	100,000	general supplies, Bgim	N.A.	
27/7/15	350,000	thruwa SO cards in Singapore, withdrawal	A.G.	
31/7/15	3,000,000	thruwa SO cards + visa etc, Singapore	A.G.	
3/8/15	100,000	mobile phone	N.A.	
4/8/15	100,000	general supplies, Bgim	N.A.	
4/8/15	100,000	mobile phone for Singapore	N.A.	
31/7/15	5,000,000	exchange with Singapore, Aron paid for but collected 8-8-15	N.A.	
8/8/15	34,500	universal paper adapter	N.A.	
10/7-8/8/15	1,261,000	Singapore - Singapore operation flight	N.A.	
8/8/15	150,000	Singapore, laptop, packing package	N.A.	
7/8/15	150,000	proper 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	anonymous donations	anon-	

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			
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	-
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.

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Excel ribbon: FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, ADD-INS, novaPDF

Worksheet: A858, Mucus

21	Are those gas bubbles?
22	A seed (bottle sample)
23	A society is the product of its education system
24	A typical beetle or "bug"
25	Baby animal names
26	Baleen
27	Basic knot-tying
28	Basic metamorphosis
29	Basic soil horizons
30	Be an informed shopper
31	Beaks
32	Bed bugs
33	Benefits of reading
34	Bees
35	Beetles
36	Bioaccumulation
37	Biological hotspots
38	Biomagnification
39	Blood circulation valves
40	Bogs and marshes

Sheet1

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Excel ribbon: FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, ADD-INS, novaPDF

Worksheet: A858, Mucus

172	Latitude and longitude
173	Leaching
174	Legumes
175	Lice
176	Lichen
177	Lightning
178	Logarithmic growth
179	Maintenance
180	Malaria
181	Mammal skulls
182	Mariana Trench
183	Mastication
184	Minerals and metals (sample)
185	Moles
186	Momentum
187	More people, more damage
188	More than just food scraps
189	Moths
190	Neurotoxic snakes
191	Noam Chomsky

Sheet1

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Worksheet: A1163, The environment is "out there"

252	Symmetry
253	Systemic chemicals
254	Tardigrades
255	Taxidermy
256	Taxonomy
257	Temperature
258	Tendrils
259	Territory profile New Caledonia
260	The downhill trend
261	The journey of cigarette smoke
262	The Leakey family
263	The Pacific Gyre
264	The water cycle
265	Thunder
266	Ticks
267	Traditional medicines
268	Typhoid and cholera
269	Typical decomposing leaf
270	Tyres in your garden
271	Understand, then decide

Sheet1

Some of the lessons made by August 2015

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Excel ribbon: FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, ADD-INS, novaPDF

Cell A858: Mucus

- 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 Białowieża 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

Sheet1

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Excel ribbon: FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, ADD-INS, novaPDF

Cell 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

Sheet1

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Excel ribbon: FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, ADD-INS, novaPDF

Cell 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

Sheet1

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

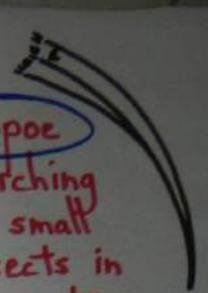
Share your knowledge



Hawk


- for tearing flesh
- gripping meat
- specialised

Learn



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.


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

The size, shape and other characteristics of bird beaks tell scientists a lot about them.

Learn to understand nature.

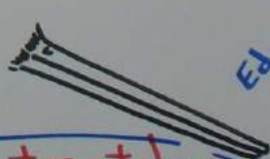
Education is good!

Teach others.



Barbet

- catching insects
- crushing exoskeletons
- general foraging



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.

The lesson on bird beaks. Photos to be added.

A large group of plant-feeding insects

CICADAS

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 exoskeleton. The adult flies away.

→ THERE ARE VARIATIONS

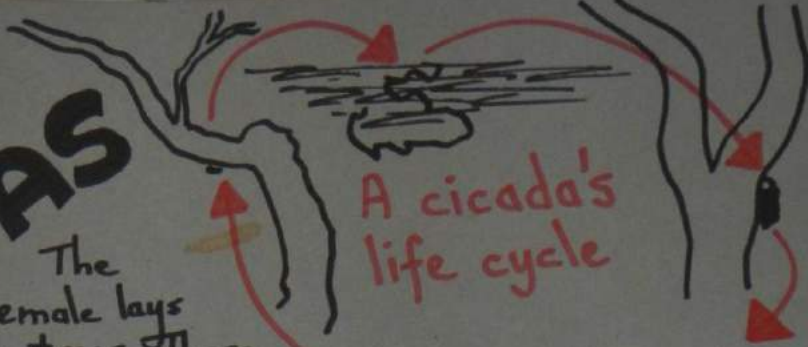
The most famous cicada of all has a 17-year life cycle. The flightless hatched stage stays underground about 17 yrs.

CICADAS ARE LOW DOWN ON THE FOOD CHAIN

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

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

A cicada's life cycle



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.

Cicadas are some of the loudest insects.

How do they make noise?

Learn...

The lesson on cicadas. Photos to be added.

Bull sharks, aligators, guille mot's 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.

Examples: buffalo, kudu
Example: monkeys

MASTICATION (chewing)

Say: mas-tik-ay-shin
Animals that chew from side to side often grind their molar teeth heavily.

Start of the digestion process.

The lesson on chewing. Photos to be added.

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

Do you know that bubbles on soap is called lather?

TAKE ACTION

1. Collect them as you create them by washing your hands and body.
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:
3. Put the bits in a **METAL** container and add boiling water. Add just enough water to make a paste like mud.
4. Stir the mixture vigorously and try to make the paste smooth.
5. Leave your mixture to dry and you will have a **FREE** bar of soap!

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.

GET MORE SOAP

SAVE MONEY

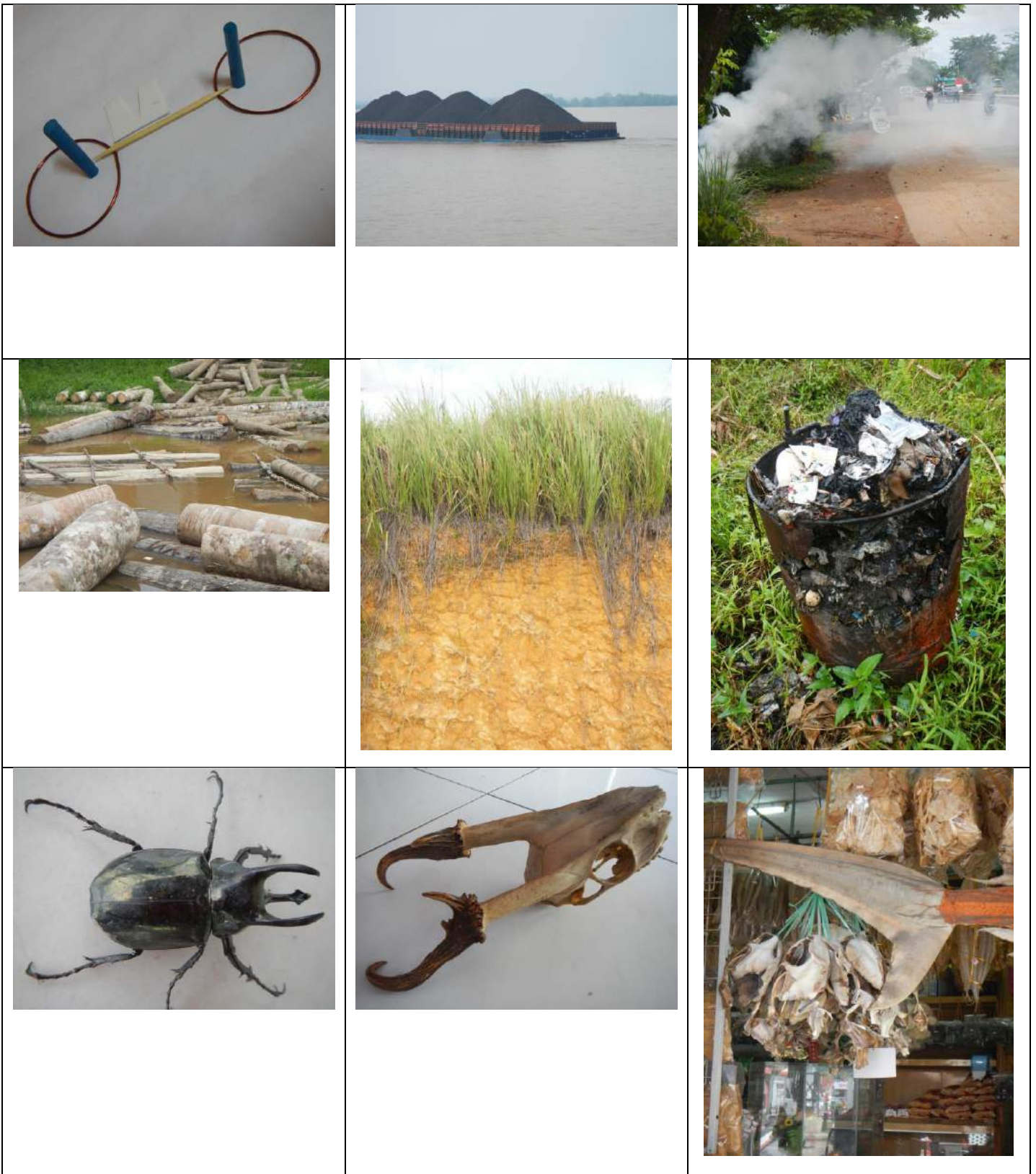
NEVER THROW DETERGENT INTO A RIVER. IT DAMAGES ECOSYSTEMS.

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

...others may

Action for a healthier world! Start today!

The lesson recommending people use their entire bars of soap. Photos to be added.



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

BABY ANIMAL NAMES

Some animals can have thousands of babies. Do you know? Did you know what this is?



A young is called a

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



- JOEY
- CALF
- FOAL

People usually think of Big animal babies. Tiny animal babies also have names!

African elephant calves weigh 120 kilograms!

- CHICK/FLEDGLING
- PUP
- CUB
- CALF
- FRY/FINGERLING
- PUP

Many of these were once killed in the Arctic for what?



Think of more friends and tell your friends.



(There are lots more!)

- 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?



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

They do not travel inside a plant to other parts and poison those.

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

Usually sprayed on leaves to kill only the leaves.

CONTACT HERBICIDES

Not as effective as systemic herbicides, farmers say.

THINK can you use an environmentally friendly alternative?

ALWAYS follow all instructions!

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

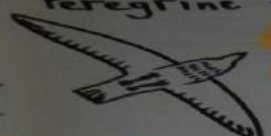
Some weeds are very tough and can survive a dose of contact herbicide. In such cases, systemic herbicides are usually preferred.

KNIT

LEARN EVERY DAY

The lesson on how contact herbicides work. Photos to be added.

Here is an example of positive acceleration, no accel a Peregrine falcon hunts. It dives to catch flying



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.

Learn this! Tell others! Birds of prey must be protected!

Love nature!

The falcon enters a high-speed dive. Its speed **2** increases every second until it is diving at hundreds of kilometres per hour. Its body is accelerating very fast. Think. Did you know? These falcons are used in falconry.

Did you know? Peregrine falcons are threatened by hunting.

3 If the falcon dives for long 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. Nature is full of interesting educational examples.
- Acceleration is used in nature every day. A measurement of speed is

ACCELERATION!

...ation while moving, and doves and other small birds.

4 The falcon prepares to strike the dove, it needs to turn in the air. Turning will cause the falcon to enter negative acceleration (slowing down).

Did you know? These birds of prey are the fastest species on earth.

Love nature!

The impact of the falcon striking the dove will cause negative acceleration for both creatures. **5** The falcon may then keep decelerating or it may accelerate positively.

Did you know? Care all bird nests!

Love nature!

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

Did you know? Share what you know!

Research: HOW DO GRAVITY, MOMENTUM AND MASS AFFECT ACCELERATION AND DECELERATION?

Some animals can accelerate very fast.

<p>STAR-NOSED MOLES</p> <p>can move to catch their prey so fast that they are too speedy to watch with the naked eye.</p> <p>What colour are they?</p>	<p>BLUE MARLIN</p> <p>can chase and catch fish by propelling their bodies with great energy.</p> <p>Where do they live?</p>	<p>PEREGRINE FALCONS</p> <p>can dive through the air with huge speed by holding their wings in certain positions.</p>
---	--	--

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.

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

BENEFITS OF READING

It will help you choose a great career. You will make better decisions.

You will know when people are lying to you.

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

You will find money management easier because you understand it.

Life can be complex. The more non-fiction you read, the easier it will be for you to work out how to avoid issues, succeed and keep it that way.

You will get good exam marks.

GREAT!

Most of all, reading will make you feel

you can limit your doctors' visits because you will know how to live healthily.

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.

AFRICA'S BIG FIVE

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.

Tell others

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.

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.

Lion
Leopard
Rhino
Buffalo
Elephant

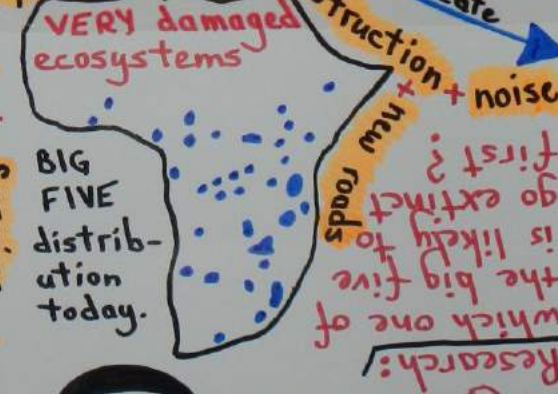
refers to the Cape buffalo, not the forest buffalo.

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

Extinction in progress...

THREATS TO THE BIG FIVE INCLUDE:

too many people + corruption + habitat destruction



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

BIG FIVE distribution 200 years ago

Think! Rough map to illustrate.

gone: what you need.

Some of the "big five" destinations now have to apologise to tourists because some of their big five are

Species. Every day, dozens of the big five are killed.

But poachers and hunters continue to kill these

five destinations. "Marketing them - selves as 'big five' destinations."

Many African countries began

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

Be wise. Take only what you need.

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: Teach others!

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.

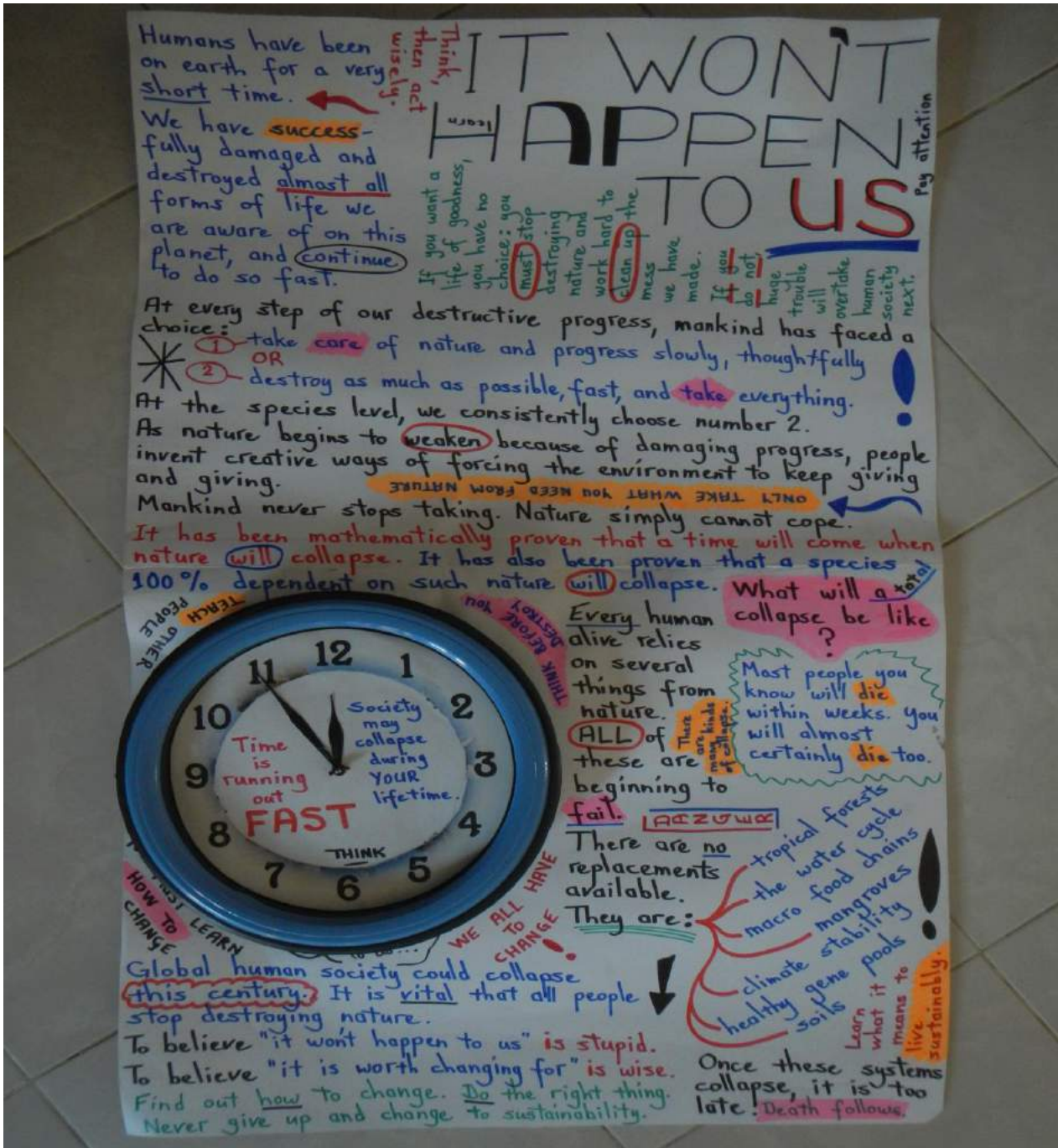


Many bad companies deceive the public. They are cruel to workers and they do very ugly things to nature.

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!

BE AN INFORMED SHOPPER *Choose wisely...*

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.

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.



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.



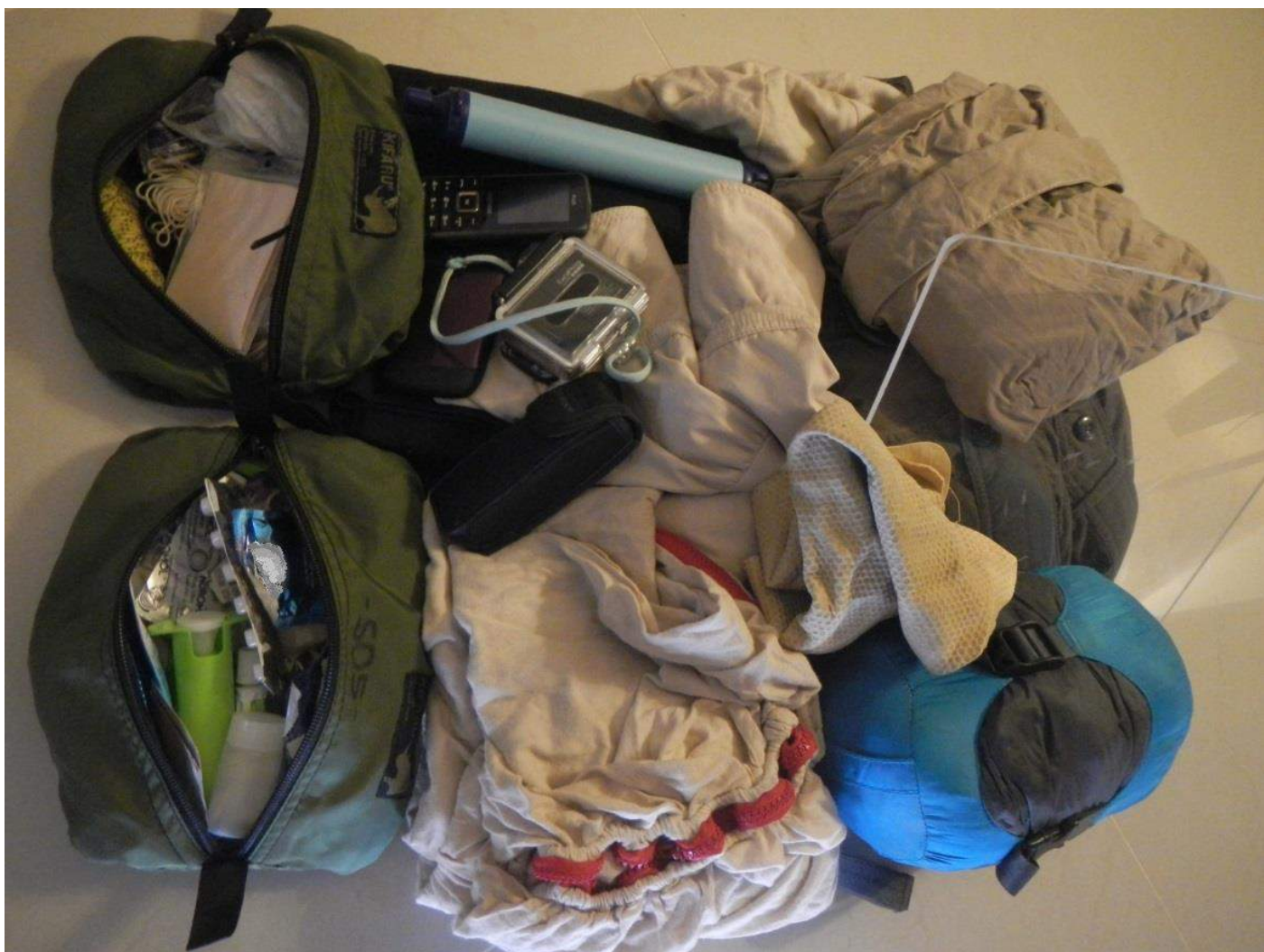
Rules reviewed and approved by RHR. David R. Adamovich, Ed.D., U.S. President.

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
www.ElephantsForAfrica.org

Monday 21st 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 reads "K. Evans". The signature is written in a cursive style and is underlined.

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)

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

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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, racialism, 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
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TURKEY
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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
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,

A handwritten signature in black ink, appearing to read 'Erika Gavenus', is positioned above the typed name.

Erika Gavenus
MAHB Communications Officer

OFFICE OF AL & TIPPER GORE

July 18, 2007

Alastair Galpin
[REDACTED]
[REDACTED]
[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, 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.

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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.