

Dear little readers

If you look around your homes, you will find many things you and your parents use a lot. Things you would miss if they weren't there – for example refrigerators, mattresses, cellphones and even the chairs you sit on. Did you know that most of them wouldn't exist without one material? They are all made largely from plastics. Plastics which make your lives easier, safer and more beautiful.

But one thing is not good: Many items made from plastic are very often simply thrown away after they have been used! And what is even worse, they find their way into rivers, seas and oceans. This has become a really serious problem because plants and animals living in the water are suffering from this pollution too.

Many people around the world are already trying to do something about this problem, including the company I work for, which is called Covestro. We make the plastic components for a lot of the things you use every day.

But what matters most is that you, me, our friends and our families need to avoid plastic waste! We all need to make sure that plastic parts are disposed in the right way and we all need to be aware that they can often be reused or recycled. In this little book "Bright Minds for A Brighter World" you can read about what a little girl and two boys are doing for the environment. I hope you enjoy it and it inspires you to keep our beautiful planet cleaner!

Warm greetings,

Markus Steilemann,

Chief Executive Officer Covestro

親袁愛が的袁小素讀家者影們真:

當是你是在家家中的是四本處於望於去公,就是會家發於現場有家好多多的東是西亞是於你是和是 爸家爸家媽你媽你經過常是會家使於用於到家的說:而來那家些是東是西亞假學如學消費失過了。 你是就是會家非於常是想是念家——如學冰是箱園內。床養墊家、一手家機造,一起家至於是於你是正然 在家坐園的沒椅子子。一個家是於你是知此道家嗎?一如學果多少多了。一一樣家材學科學,一這些 些是東是西亞就是可多能是不多會家存為在家。一這些是產家品等大家部分的由家塑物學,材學科學 製造成之,一讓是你是的沒有是在家。一定學學家是是是一

但多是产有家一一件等事产情是很好不多好家: 很好多多用是塑金膠質做多出的來源的實東是西面在多使产用是後來常說常說就被多輕差易一地。仍是掉了了。! 更多糟了糕麼的是产 · 它如們的甚及至一選家流過入學了。小學河學與一大學海家中學 · 這些已一經是變素成立了。一一個的非常常是嚴重的的問題也 · 因识為各生是活為在影水學中學的這種生物不和是動學物不們的都是因识此主被各自各地。承述受象了這些些語言本學是言本學學。

很多多多來,自然世界是各質地質的是人學們的現象在新都多努力性的在新解影決是這數個的問題 題之,包含括複數的新服物務外的的公園一一科學思來創業。 我們的所能生產產業的的塑物 膠質材素料素, 廣義泛素地的應因是在新你學每學天實持來續的使不用品的的產業品質中數。

獻素上素溫素暖素的 間外候氣,

科范思《創作執》行於長紫

施率樂验文學



快素來激認思識於我發們的多小量小量地學球藥母與護療者對! 就裝像量你多一、樣素, 他於們的也更喜及歡源戶家外藥活象動多且養熱影愛素冒及險場。 而《且養, 他於們的每只個多人學都沒擁沒有家一、種类神學奇多力多量影唷。。

Meet our Young Guardians. Like you, they enjoy outdoors and love nature. And each one of them has a special power. 有录一-天意, 當準他等們等在素草塗原量上尋開業心質的創玩發耍多時点, 一-隻*海氣鷗*憂氣心質忡之忡之地創飛到了 過冬來。

While playing in the field, a seagull approaches them. He looks worried as Kathy talks to him.

A young sea turtle is asking for your help. His mother is sick and cannot breathe properly.

Oh, on my way here, I also saw Aunt Dolphin. She cannot swim well.
Something is wrapped around her fin and tail. Please help her, too.





小型小型地區球藥守衛護衛者等們與即區刻區出於發展,一奔與向型一一棵區紅區樹原林學老衛樹區——水學筆學仔來**奶藥奶。** 希耳望藥她與能學為於他與們與指述引展方質向型。

The Young Guardians speed off to seek guidance from an old mangrove tree known as Grandma Kandelia.





為於了認完於成於任學務於,維於克爾用於葉於子於和學樹於枝素打造造了這一一艘發勇炎士於之業船緣。 他於們等的認冒及 險學旅遊程於由家小學河區啟於航泉, 一一路然航泉向臺廣臺闊圖的對大物海景。

To accomplish their mission, Victor creates a boat from leaves and twigs. And off they venture out from the river to the open sea.



旅游途中影,他作們的看到對好家多數人與類於正於在新往於河區裡的丟影拉多級会…

Along the way, the Young Guardians see many people throwing their trash into the river.



當沒他於們於在紫黃家金貴沙及<mark>攤數上至找影到沒海</mark>家豚原阿文姨子的證時於候氣,她於被次塑氣膠豐袋紧緊帶緊閉的證 纏露住業,看家起至來發相報當沒難多受象。他於們於立為到家跑逐過發去公幫沒忙是,友家善家的證螃逐蟹蛋也是 加農入學救费援嚴的證行是列發。

As soon as they reached Aunt Dolphin, they see that she is trapped in the plastic bags. the three immediately help her. They are glad to see the friendly crabs assisting them.

幫說助表海家豚家阿文姨子之。後家,他家們原連家忙是啟多程於去於協區助表海家龜餐媽與媽原。

After helping Aunt Dolphin, the Young Guardians hurry to help the young sea turtle's mom.



「水冬筆之仔來奶烫奶。說是的是沒是 錯多!有定一一隻。吸工管多卡於在多 海影龜影媽兒媽兒的是鼻之孔是裡之, 導是致於她們所以可用影難多。 讓是 我於們是慢身慢身的是把你吸工管影拉之 出業來說, 這些樣之海影響。媽兒媽兒 就是可是以一正去常是的是呼乐吸工了。

Grandma Kandelia is right.

A straw is stuck in her nose making it difficult to breathe. Let us pull it out slowly so she can breathe properly.

他於們說將是水影筆之子於奶婦奶婦給於的說神及奇之藥或草園數是在歌海家龜影媽以媽的的證傷是口家上意,一讓是它於快關这句 癒的合足。

The Young Guardians apply the magical herbs from Grandma Kandelia to make the sea turtle feel better.

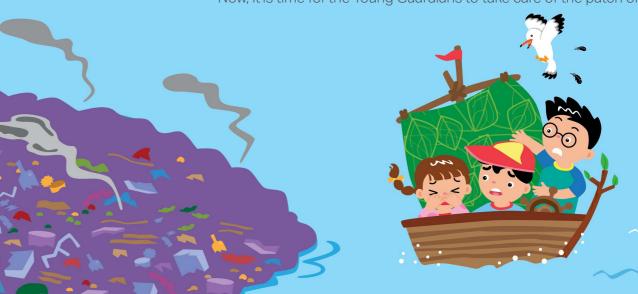


突然影,好家像是有家什多麼會奇之怪影的會東邊西工嚇员 到沒了沒小上海影龜炎… Suddenly something strange frightens the young turtle. 「你如們沒看到! 那就是於什么 麼: ? 那: 是: 一 隻: … 鯊₹魚▽嗎♡? 」 Look! What is that? Is that a.....shark? 「不》:那為不》是於黨《魚》。那為只率 是於看家起公來非像於鯊及魚口的沒一一大次片家 垃圾货堆浆積生物火。 」 No, it is not a shark. It is a patch of garbage that looks like a shark.

現家在家,是於小家小家地學球家守家護家者學們學處家理學這樣地學功學功學,幫助教海家洋家恢復家

乾等淨法樣主貌是的證時於候至了證。

Now, it is time for the Young Guardians to take care of the patch of garbage.



擁沒有家一-雙家巧氣手家的創維於克彥用沒海家藻及做養了創一-張素堅質固然的創大於網索子。。
Victor creates a big net out of seaweeds.

查》,理學和學凱達西工幫工作學用學網達子,單數住學這數堆學拉學場。

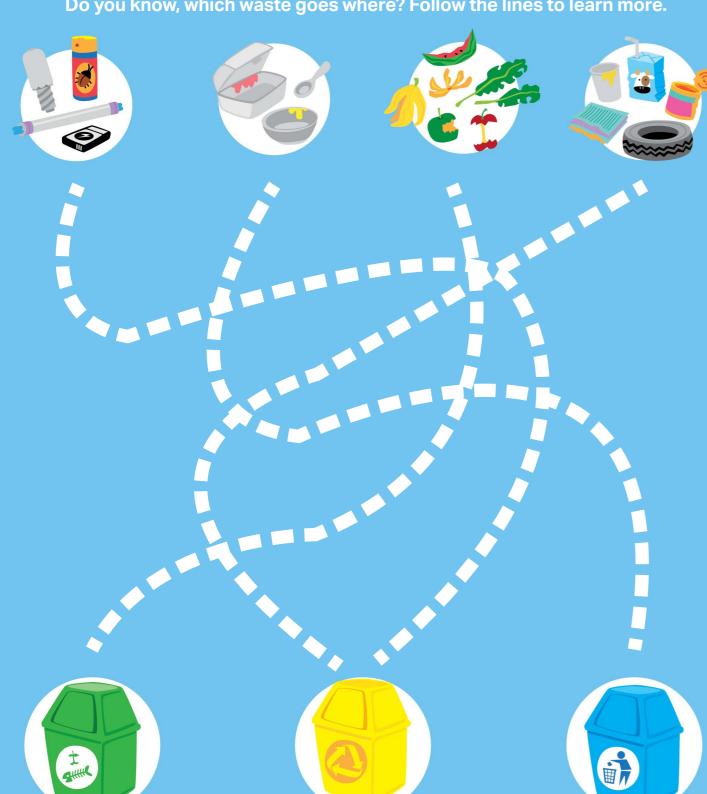


在紫魚、兒、軍場團家的沒幫深助悉下於,他也們的一一起公將是這些堆內拉多切多拉內到多岸的上級,以一便是能多夠與妥多善家分別類次。

With the help of their fish friends, they pull it onto the shore to dispose the waste properly.

你少知*道&垃&圾&要&怎及麼意分與類樣嗎?? 跟《著》以一下》的《路》線》圖》,可》以一學學得《更》多》所。!

Do you know, which waste goes where? Follow the lines to learn more.



廚氣餘《(綠為色氣垃圾氣桶系) 可認被《生》物《快》。速》分,解論並《用》作《肥》 料量的2位2级6。如2:生2/熟录食产物×殘量 渣*、吃*剩益的*食产物×…等2。

Compostable waste

Fast biodegradable garbage that can be used into compost as fertilizer.

資。源等垃圾袋(黃家色袋垃圾袋桶多) 這為類於垃圾物可多以一被於回象收到處外理學再發 廢、燈"泡》… 等"。

Recyclable waste

This garbage can be re-used for new products.



一一般; 垃圾袋(藍染色袋垃圾袋桶袋 其5他‡不多可憂被多回灸收炎的變廢多棄≤物水。

General waste

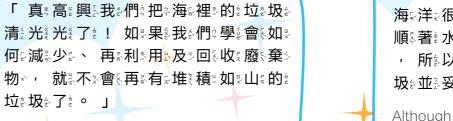
The garbage that cannot be recycled or re-used.



垃圾袋了袋。 」

「雖然然是我是們自住家的是地區方是可是能是離2 海泉洋泉很泉遠泉,但紫是水這紫些景垃圾圾。會家 順奏著表水家道於和亞小亞河亞流影入墨大家海家中國 ,所象以·,讓點我於們的一-起公減影少處垃圾 圾&並&妥&善&分a類來吧?! 」

Although we may live far from the sea, the trash can flow down from canals and rivers to the open sea. So please let's reduce our waste and throw it away properly.



I am so glad that we were able to remove the trash from the sea. The garbage patch will not come back if we learn how to reduce, reuse, and recycle our waste.

「能沒看發到沒海家豚多阿內 姨一還氣有氣海影麵影媽以媽兒 恢復疑健康意,我会好家 開源心。呀。!」

Dolphin and the sea turtle got better.







現家在家,來家看家看家你之可多以一怎及樣家 幫家助物地為球家:

And now, what can you do to help us?

回《收》、使严用出過》。的影物《品》

運以用以你必剛、剛、學、到家的之方是法於將是 拉多圾。分,類於,使一這些是物、品為能必被於妥為善。如為收養。

Recycle the used items

Separate the waste as you just learned, so that it can be recycled properly.

盡以你以所能能必的認識以少或使利用以

Reduce as much as you can

Reduce the use of plastic bags & packaging



重氮複氮使产用以那氮些量可氮重氮新质使产用以的氮束氮西型

- 重發複點使於用點塑氣膠量瓶色和多塑氣膠量包含裝置
- 使产用出環系保証袋系購货物率
- 雙幫面影利為用以紙幣張業
- 將輩你塾不為再素使於用點的幫東園西立送多 給於需证要素的對人學

…等%等%

Re-use the things you can re-use

- re-use plastic bottles & packaginguse both sides of the paper
- use cloth bags for shopping
- give the things you don't use anymore to people in need

etc

讓是我於們的一一起公開等創意精度彩新世內界也! Let us color our world

我說們說都說想是擁沒有家一一個的的。淨法美學好家的的生活活為環象境法,如果果然我的們的同意心意協能力之,發於揮物個的人學小學小學力學量影,就能能沒為於世界影帶家來說超過乎如想是像是的的主要是大學影響是。

盡為情沒揮ឱ灑魚你沒的沒想是像是力為與此創業造影力為吧?」用是各級種蒸觸是紛長的沒顏或色数填影滿品這些一一頁影,一向是大學家是展現最你是眼球中差美型麗之多多彩彩的沒世科界是是於什么麼沒樣是子。○

作《品意完》成《後氣,請意寫是下於你》對《地學球》的《承述諾》,說《明是你學將是如《何是讓《地學球》更《乾》淨是,更《精光彩》。 寄出回《作《品意,你學將是有《機學會《獲》得》一一份《神學祕學小學。 禮學物》項。!

We all want a cleaner and brighter environment. If we all put our hearts and hands together, we can do great things, even in our own little way, to take good care of it.

With your imagination and creativity, we would like you to color this page to show how beautiful and colorful you want the world to be.

Please also writer down your commitment on how you can help to make the world cleaner and brighter place and you might win a special prize.

我学對《地》球》的《承述諾》: My commitment for the environment:

姓云名: (Name/Surname)	年素級型 (Grade)
學』·校ː (School)	
地 址 (Address)	
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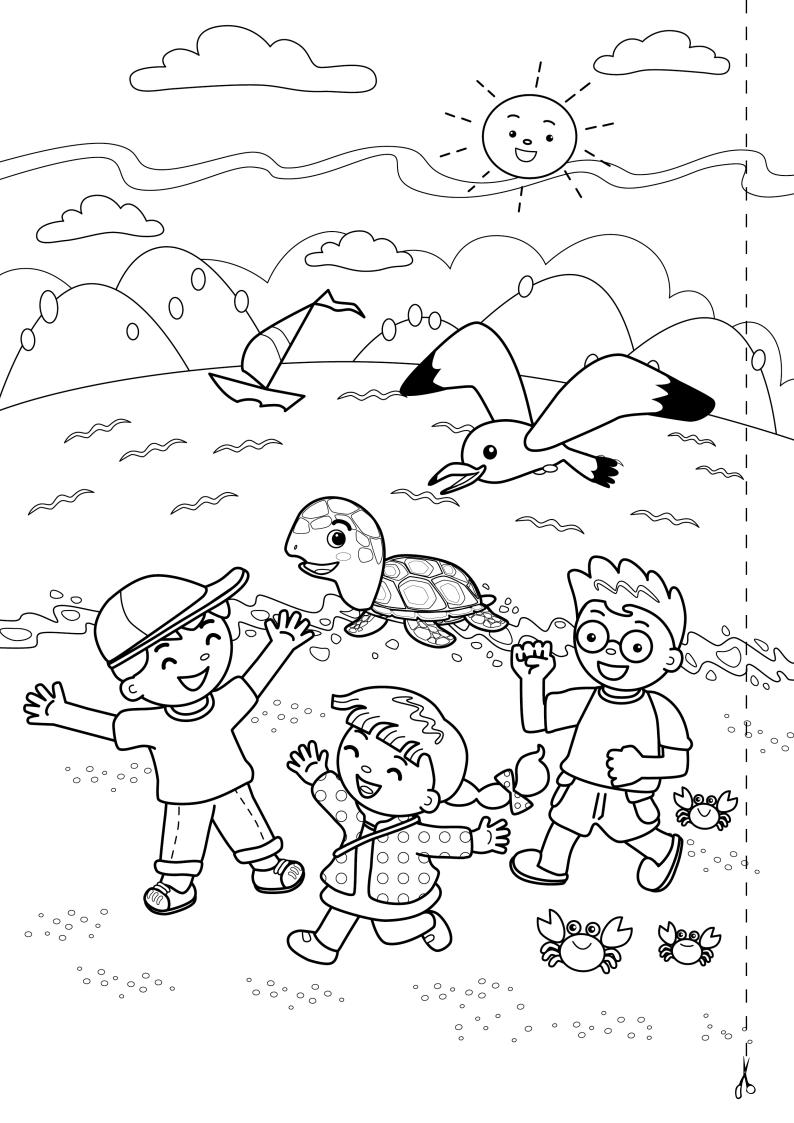
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本學著作學物》之"著學作學權學為學泰學國學科學思學創學所發有單。 未會經過泰樂國學科學思學創學有學限學公學司學事學先發書學面學許可學, 不知得學將是本學著學作學物》之"任學何學部學分學以一圖學形型、 電學子學、 機學械學設學備等 (包含括學影型印度, 錄學影型和學錄學音度) 或多任學何學形型式學, 重學製圖、 傳導輸送或多儲學存為於"任學何學資"訊學檢學索察系學統學中學。

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臺紫灣紫四台周紫環系海泉, 海泉洋泉資水源影響是富泉, 確集保養海泉洋泉資水源最永及續取發見展影是改善及位於 國劉民即應之盡影的劉責退任影。近時年劉海泉洋是環系境影議問題的備物受象重影視的,廣影泛系為於國影際時間影響 產家官等學學界影關等注意及學討認論等,若累能透透透過多數裝育的,使於學學童整從多小學扎學根等接過觸象海察 洋氣環境造議: 題志, 對應於區環區境景永區續區發展影必至能逐有氣所應助素益之。

「用齿•••)讓點世內界裝更於精體彩練」 一一書《翻》譯內自於泰數國製同意名是繪《本為 / 相景信系透系過》故《 事於繪《本於的》引於導於下於,能及使於學及童多體於會《海及洋氣環系境於汗、染影對《生產態素破多壞》的意識。 重素性系, 增%進制環象境景保夠護係優勝值※觀》, 透象過%行影動多實術踐影環象保養生物活象, 並多更多加影 愛療護家地為球炎。

教養育心部委長素 美发記 Minister of Education 美发記

海泉洋泉孕以育心了维生产命是,也是是产許证多维生产物区的维维和国界。但新由泉於区人界類別的维破系域系, 越上來表越出多影的流汗、染影物、都流被心排影入影海影洋之,使所得流海影洋定生产物、陷影入影越出來表越出嚴重 峻影的差危交機"中类。 例类如果在原東差方是文文化系中类代系表表言学样表而水長差壽家的差海尿龜等, 有家的差 被於魚水網光纏影繞影而水溺光斃之,有家的說誤水食水塑物膠片袋影而水餓的死水,有家的差鼻之孔逐插於入學吸工 管影而水痛蒸苦逐不逐堪影。這點一一幕緊幕緊令對人影驚對悚然的對畫家面影都對在影提的醒到人影類於,一該影是於 深。刻表反射省是的集時於候聚了集。無來塑料海療洋是,就造從是今時天時開棄始於。

> 環系保証署系長點 Minister of Environmental Protection Administration

臺紫灣紫沿泉海泉近紫10多紫年泉來紫海泉漂紫拉紫坡紫漸紫趨紫嚴泉重紫,國紫家紫公紫園紫也是面影臨影同紫樣和 的說問為題對, 並是以子塑物膠體為於最關大物宗器。 而來塑物膠體製劑品與需即要到4 0 0 年過才新能是自然然影 分5解制,除了2番尿重素危炎害尿海尿底型珊尿瑚尿礁2生2態素之*外炎,甚及至**造2成2海尿洋2生2物水 誤《食》致》死》:其公分,解》的》塑《膠》微《粒》進》入》生《態》系》、透彩過》食《物》鏈》進》入》人》 體學, 也要進過入學陸教域的水學系型、 地學下學水學, 影響學深度遠報。 在新此業藉過由氣繪多本學呼及籲的 所象有家的图象影長影,為於保養育的我們的重點要認的图象家影公園影資。源影,讓是我們的一一起的當業 國家家公園等的沒不多塑象之事客長。

> 內心政告部公營之建設署公署公長業 Director General of Construction and Planning Agency, Ministry of the Interior

海泳洋泛是产生了命员的多起交源影,一有文生了命员的多海家洋泛,一人员類於才家會多有交希工望於;一有文健學康認 的多海泉洋泉,一人多類於才象能逐擁沒有家幸長福泉。一透象過多此於繪泉本泉,一讓是夜泉童多理之解影隨久意之棄外 置率垃圾级對象生产物水及型環象境界的象影及響影,能多同多理率進界而水養家成多垃圾圾的回象收象。 减影量影 及步重影複於利為用於的影習型慣影,減過少影地為球影資。源影的影浪影費於,也認維於護療海療洋是生產物外的影 生是存象環象境景。期的許量大學家學都樂能學成學為從繪學本學中學的學查學理學、維養克圖和學凱灣西亞, 起外來發做發海影洋氣保養育的吧?!

> 農養養養養養養養養養養養養

By some estimates the volume of plastic waste in the world's oceans exceeds that of fish. A valuable lesson that this book teaches our young readers is the link between careless human action and the impact on wildlife.

歐來洲紫商素會家執此行步長影

Freddie Hoeglund, CEO of ECCT Feeling









