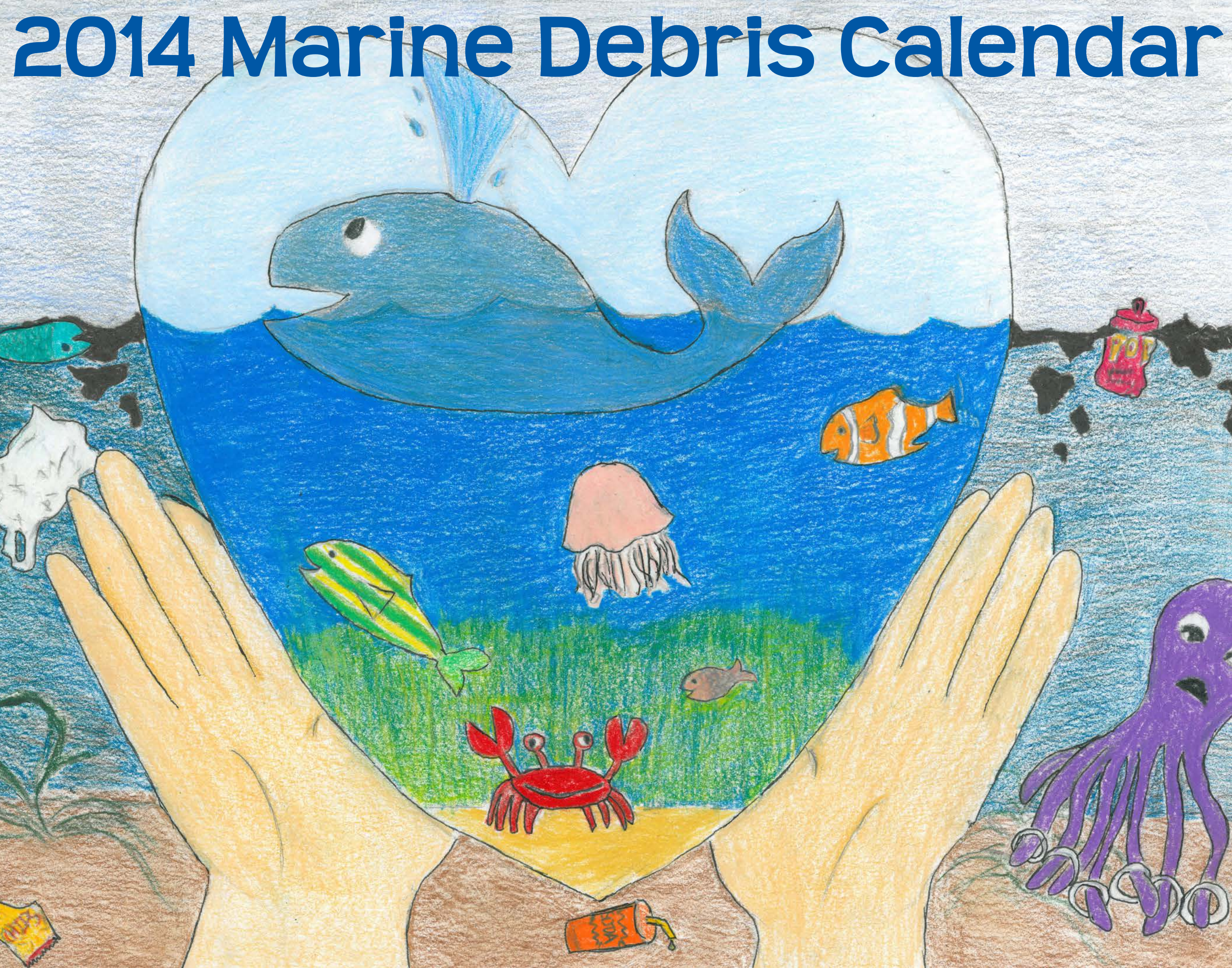


2014 Marine Debris Calendar



About this calendar

The 2014 NOAA Marine Debris Program calendar features artwork from our “Keep the Sea Free of Debris” art contest finalists. The program received more than 700 entries, a record number of submissions, from students across the United States and from kindergarten through 8th grade. Students answered two questions along with their artwork: How does marine debris impact you? What are you doing about it in your community? We evaluated submissions based on creativity, artistic presentation, relevance to theme, and how thoroughly the students answered the questions.

Thank you to students (and teachers) for participating in this year’s “Keep the Sea Free of Debris” art contest. Your support and enthusiasm reminds us of why we do what we do every day – work to keep our oceans and Great Lakes clean. We hope this calendar fuels your passion for protecting our oceans and drives you to stay involved in tackling marine debris.

– Marine Debris Program



Cover artwork & 2013 Art Contest Winner: Ivy H. (Grade 6, Michigan)

“Marine debris impacts me because I love animals. I think it’s unfair for them to have to live within all the debris WE put in their homes. Whenever I go to the beach, I always throw away any litter I see. It’s not much, but every little bit helps!”



NOAA Marine Debris Program

The NOAA Marine Debris Program leads national and international efforts to research, prevent, and reduce the impacts of marine debris. The program's mission is to identify and solve the problems that stem from marine debris in order to conserve and protect our nation's marine environment and coastal economy. The program has staff positioned around the country to coordinate regional efforts, track progress or projects, lead research, and conduct outreach to local audiences.

For more information, visit: www.MarineDebris.noaa.gov.

September 2013

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

October 2013

S	M	T	W	T	F	S
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

November 2013

S	M	T	W	T	F	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2013

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

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marinedebrisblog.wordpress.com

Marine debris is everywhere. Throughout this calendar, you will find useful tips, activities, and games to help prevent and reduce marine debris and its impacts on the environment.

Everyone can take three simple steps to help prevent marine debris every day. Don't forget to do your part.

Always remember to:

Recycle

Reuse

Reduce



Yuck!
This isn't
help!

Toxic!
Warning!
VERY
Dangerous!

You
can
help!

I can't
see...

Soda

Fruit

WOW

Pew

By Kala M.
(Grade 6, Alaska)

January 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1 New Year's Day	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20 Martin Luther King, Jr. Day	21	22	23	24	25
26	27	28	29	30	31	1

Challenge: Know your numbers

When trash and other waste material is not recycled or properly thrown away, it can enter our streams, lakes, and oceans. See if you can guess the correct numbers below and fill in the blanks.

____%: Recycling rate in 2010.



____ million tons: Amount of trash American generated in 2010.



____ years: Length of time plastics can persist in the environment



____ %: Percent of plastic containers recycled in 2010.



December 2013

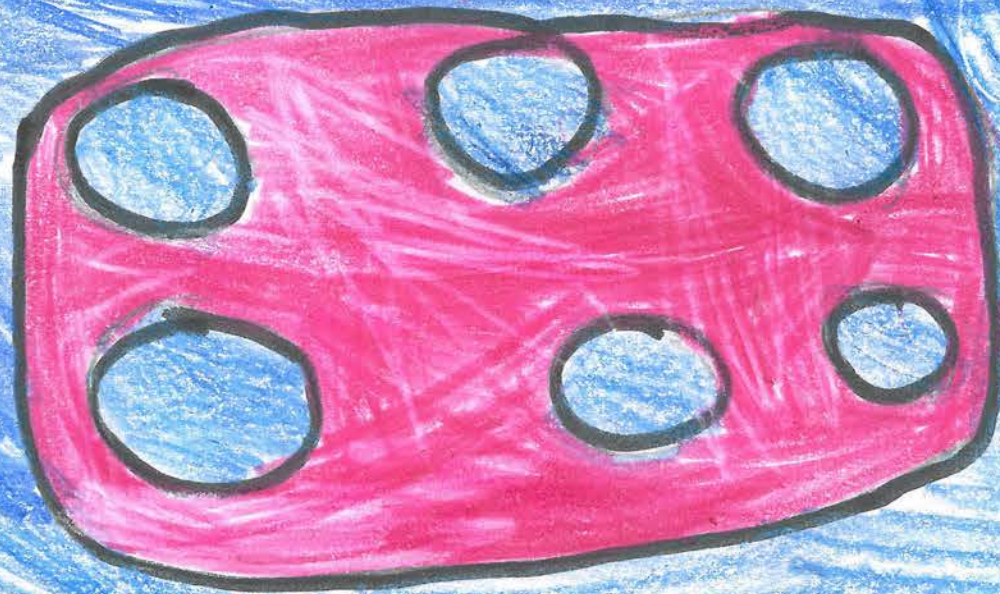
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

February 2014

S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1

Answers: 1) 34%; 2) 250 million tons; 3) 100s to 1,000s of years; 4) 13%

MAKE A DIFFERENCE



What
the Barnicle
Where did this
trash come
from?



Keep Our Ocean's Clean

By Brianna V.
(Grade 3, California)

February 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2 Groundhog Day	3	4	5	6	7	8
9	10	11	12 Lincoln's Birthday	13	14 Valentine's Day	15
16	17 Presidents Day (Washington's Birthday)	18	19	20	21	22
23	24	25	26	27	28	1

Challenge: Lunch 'n Learn

Food packaging can create a lot of trash every day. Here are three easy ways to reduce your lunch trash and save money:

Reduce the amount of disposable lunch bags you use each year.

Prevent single-use bags from potentially entering the marine environment: When planning your next lunch, use a reusable lunch bag. It's easy to clean, keeps your food warm or cool, and you can wash and reuse it over and over.

Reuse food containers.

Buy food items such as vegetables, fruits, chips, and cookies in bulk. Divide the food into serving portions in a reusable container, and you're ready to go!

Always recycle.

Give your aluminum cans, glass bottles, plastic bottles, and containers found in your packed lunch a second life by recycling! You never know, they may come back as a cool new t-shirt!

January 2014

S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

March 2014

S	M	T	W	T	F	S
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5



By Maylina D.
(Grade 8, Florida)

March 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9 Daylight Savings Time Begins	10	11	12	13	14	15
16	17 St. Patrick's Day	18	19	20 Spring Equinox	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Challenge: Word hunt

- BALLOON
- BOTTLE CAP
- BUCKET
- CIGARETTE
- FISHING LINE
- FOAM CUP
- GHOST NET

- GLOVE
- LUMBER
- PLASTIC BAG
- ROPE
- STRAW
- TIRE
- TRASH BAG

R	S	K	G	P	L	A	S	T	I	C	B	A	G	Z	N
F	I	S	H	I	N	G	L	I	N	E	L	R	L	A	Q
S	T	F	O	A	M	C	U	P	T	R	G	Y	O	S	E
L	L	S	S	E	G	N	X	T	C	U	I	T	V	P	D
U	N	B	T	W	H	E	E	G	O	O	L	A	E	B	E
M	X	V	N	R	R	R	C	T	R	A	S	H	B	A	G
B	D	O	E	I	A	D	N	R	E	D	T	A	U	T	S
E	H	P	T	G	V	W	B	A	L	L	O	O	N	T	R
R	A	S	I	A	D	F	E	Y	Z	C	N	M	S	T	E
B	U	C	K	E	T	S	B	O	T	T	L	E	C	A	P

February 2014

S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1

April 2014

S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Save our Oceans



By Lindsey L.
(Kindergarten, Florida)

April 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	2	3	4	5
6	7	8 April Fool's Day	9	10	11	12
13	14	15	16	17	18	19
20	21 Passover Begins	22 Tax Day	23	24	25	26
27 Easter	28	29 Earth Day	30	1	2	3

Challenge: Do your part!

This month, the world will celebrate **Earth Day!** List four ways you will help prevent and reduce trash so it does not enter the oceans and waterways. We'll get you started with the first tip!

1. I will use a reusable bag whenever I shop.

2. _____

3. _____

4. _____

March 2014

S	M	T	W	T	F	S
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

May 2014

S	M	T	W	T	F	S
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Help the Ocean



By Jennifer S.
(Grade 8, Kentucky)

May 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	1	2	3
4	5 Cinco de Mayo	6	7	8	9	10
11 Mother's Day	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26 Memorial Day	27	28	29	30	31

Challenge: Definition Match

- 1.) derelict fishing gear
- 2.) abandoned or derelict vessels
- 3.) microplastic
- 4.) photodegradation
- 5.) ghost fishing
- 6.) entangle

- a.) process where materials break down when exposed to sunlight.
- b.) equipment that is lost or abandoned in the marine environment
- c.) any "craft" designed for navigation that has been moored, stranded, wrecked or sunk, for a prolonged period of time.
- d.) when gear continues to catch fish, crabs, turtles, and marine mammals after it is lost or abandoned in the marine environment
- e.) small particles less than 5 mm in length, composed primarily of synthetic polymers
- f.) the state of being twisted or tangled

April 2014

S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

June 2014

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Answers: 1) b; 2) c; 3) e; 4) a; 5) d; 6) f.

Keep The Ocean Clean

From Marine Debris.



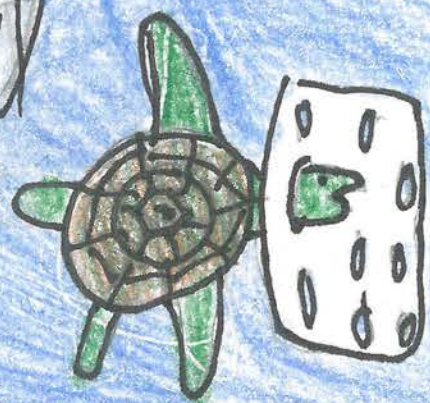
Please Help me!!!



Don't eat that you'll choke!!!



Help me!!!



Get me out of here!!!

OH!!



oil



Wt King



By: Kaylee M.
(Grade 5, Hawaii)

June 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14 Flag Day
15 Father's Day	16	17	18	19	20	21 Summer Solstice
22	23	24	25	26	27	28 Ramadan Begins
29	30	1	2	3	4	5

Challenge: Participate in a beach cleanup

Volunteer

1 Help remove marine debris from beaches, rivers and inland waters by organizing your own beach cleanup with a group of friends or participating in a cleanup event with a local organization.

Come prepared

2 Be sure to bring gloves, drinking water, and a bucket or bag to collect debris found on the beach.

Clean up

3 Use caution when picking up debris. Contact the cleanup leader or appropriate authorities if you encounter sharp, large, or hazardous debris. Dispose of all items at the end of the cleanup; if items can be recycled, place them in the appropriate receptacles.

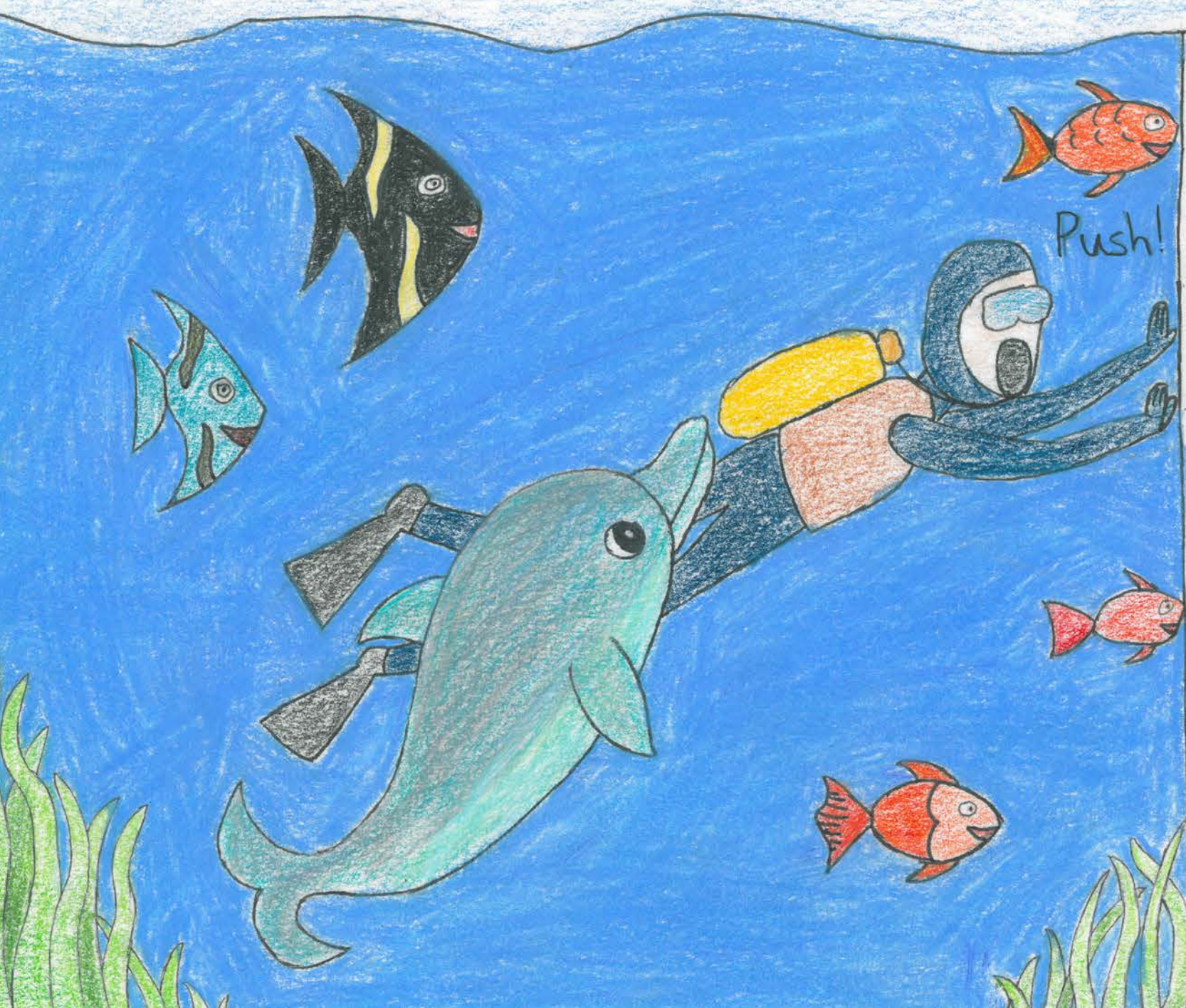
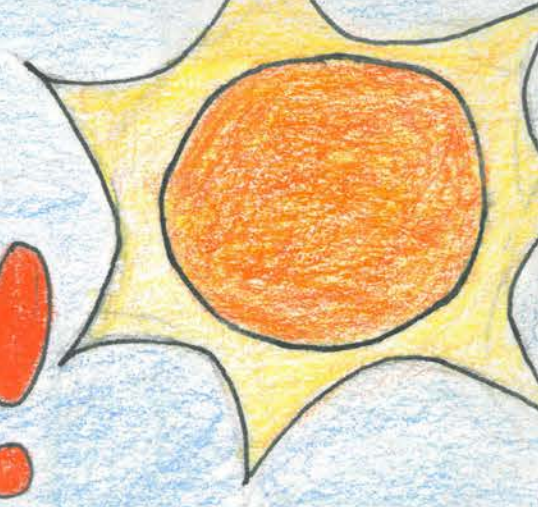
May 2014

S	M	T	W	T	F	S
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

July 2014

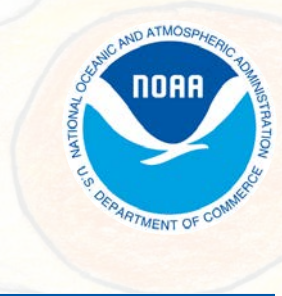
S	M	T	W	T	F	S
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

The Sea is Pretty,
Keep it that Way!



By Jenny B.
(Grade 8, Michigan)

July 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4 Independence Day	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Challenge: Zero waste

Choose a week this month to go **zero waste**. Can you go a whole week without creating waste? Tweet us what changes you made to help keep the sea free of debris!



June 2014

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

August 2014

S	M	T	W	T	F	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6





By Lindsey B.
(Grade 8, North Carolina)

August 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Challenge: Word unscramble

I F N D A
 A U E P C L N N I O Y R U O I U M C Y T M N

July 2014

S	M	T	W	T	F	S
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

September 2014

S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

Answer: FIND A CLEANUP IN YOUR COMMUNITY

SAVE THE OCEAN!



By Maggie R.
(Grade 3, West Virginia)

September 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1 Labor Day	2	3	4	5	6
7	8	9	10	11 Patriot Day	12	13
14	15	16	17	18	19	20 International Coastal Cleanup
21	22	23 Autumnal Equinox	24 Rosh Hashana Begins	25	26	27
28	29	30	1	2	3	4

Challenge: Little bits count

The International Coastal Cleanup takes place every year on the third Saturday in September. This month, take the challenge to pick up **15 pieces of litter**, such as bottles or foam pieces, **every day**. Have an adult help you and be safe when handling debris and always watch out for small pieces.

Don't forget to sign-up to clean up on Saturday, September 20th for International Coastal Cleanup day.

August 2014

S	M	T	W	T	F	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

October 2014

S	M	T	W	T	F	S
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

Stop ocean Pollution!



By Deanna W.
(Grade 8, North Carolina)

October 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	1	2	3	4
5	6	7	8	9	10 Yom Kippur Begins	11
12	13	14	15	16	17	18
19	20 Columbus Day	21	22	23	24	25
26	27	28	29	30	31	1
					Halloween	

Challenge: Upcycle

Upcycle (repurpose) a single-use plastic beverage bottle into something new, like a planter or a piggy bank.
Let us know about your new creation. Tweet us your genius!



September 2014

S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

November 2014

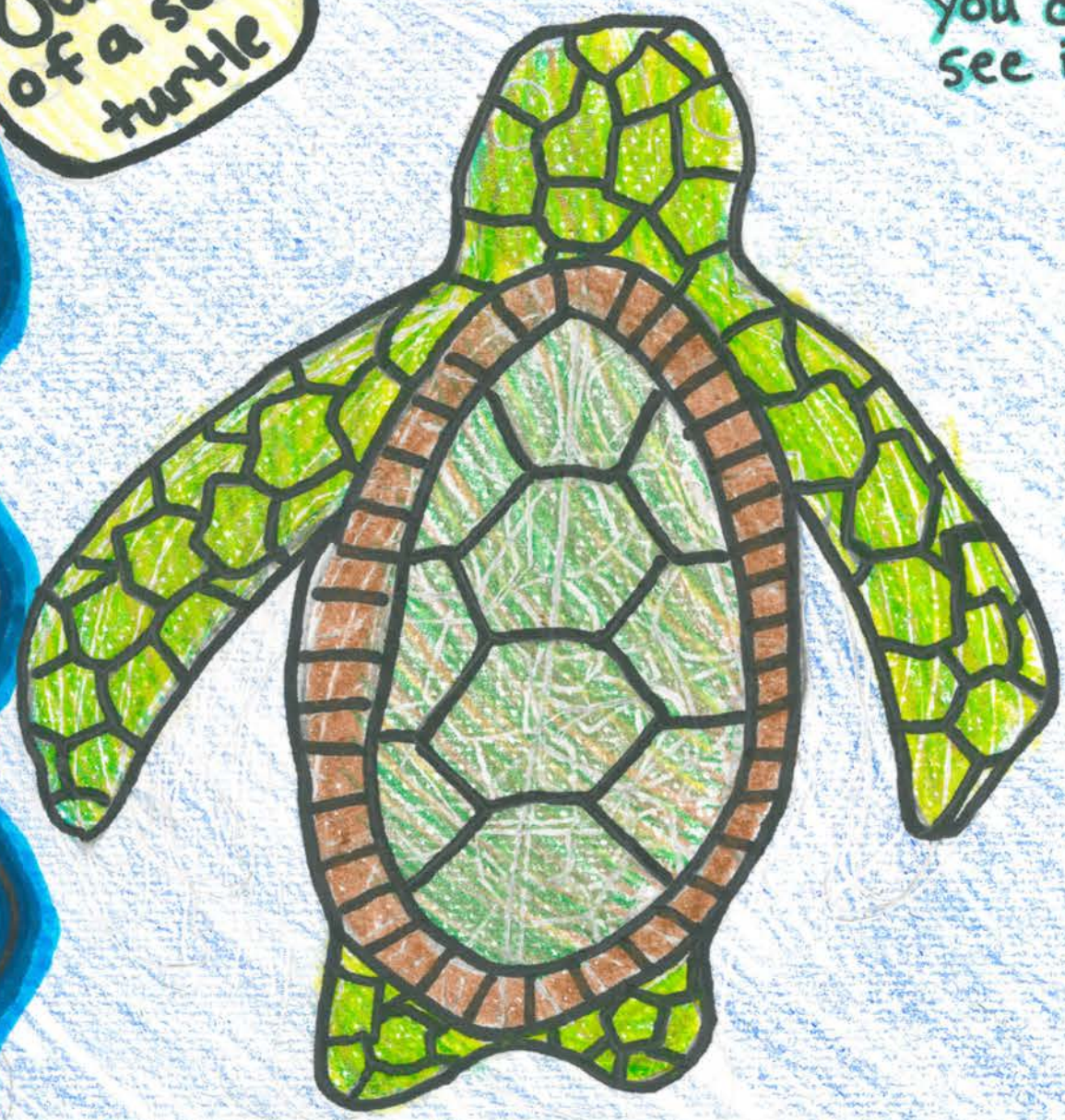
S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

Keep the sea free of Debris!

Inside of a sea turtle



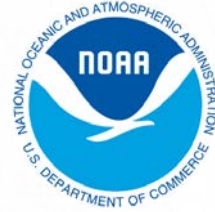
Outside of a sea turtle



you don't see it all!

By Aleena F.
(Grade 5, Texas)



November 2014

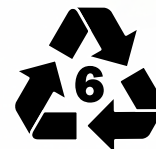


Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2 Daylight Saving Time Ends	3	4 Election Day	5	6	7	8
9	10	11 Veterans Day	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27 Thanksgiving Day	28	29
30	1	2	3	4	5	6

Challenge: Do you know your recycling numbers?

Food containers are made from different materials, like cardboard and plastic, but sometimes even plastic materials are different. Look at the bottom of plastic containers in your refrigerator or pantry. The bottom should be stamped with a number. What do you see?

Plastic containers made of **polyethylene**  are easily recyclable, but other items such as foam cups are made of **polystyrene**  and are more difficult to recycle. This month, learn more about the different numbers and find out what can be recycled in in your city by researching local recycling rules. How many household items can you recycle?



October 2014

S	M	T	W	T	F	S
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

December 2014

S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3



By Araminta L.
(Grade 7, Washington)

December 2014



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16 Hanukkah Begins	17	18	19	20
21 Winter Solstice	22	23	24 Christmas Eve	25 Christmas Day	26	27
28	29	30	31 New Year's Eve	1	2	3

Challenge: Reuse & Reinvent!

Turn old items into new ones. If you have an old tank top, don't toss it out! Turn your old tank top into a reusable bag. With the help of an adult, here's how:

Materials: Needle, thread and old tank top

1

Turn the tank top inside out.

2

Thread the needle.

3

With the help of an adult, sew the bottom of the tank top.

4

Turn the tank top inside out and voila! You have a brand new custom reusable bag!

November 2014

S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

January 2015

S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JANUARY



By Kala M.
(Grade 6, Alaska)

Art medium: colored pencils

"Marine debris impacts me by affecting marine animals, like fish, that we eat. Also it kills or hurts other marine animals like sea lions and sea otters. I will clean beaches by picking up glass, plastic, and ropes. We have a cleanup week too, so we can clean up the beaches."

FEBRUARY



By Brianna V.
(Grade 3, California)

Art medium: markers, colored pencils

"I will go to the beach and pick up trash. I will continue to recycle and will not litter or throw trash on the ground."

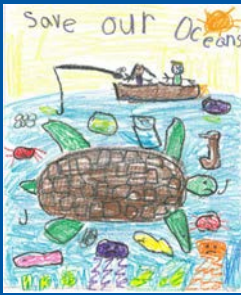
MARCH



By Maylina D.
(Grade 8, Florida)
Art medium: colored pencil, marker

"Marine debris harms and kills the beautiful wildlife here in Florida and sometimes makes the water so dirty with the debris that nobody can enjoy it. To help our environmental problem, my family and I recycle and I make sure not to litter."

APRIL



By Lindsey L.
(Kindergarten, Florida)

Art medium: crayons

"I don't like to see animals hurt. We need to keep the ocean clean for them. I can help clean the ocean by picking up trash."

MAY



By Jennifer S.
(Grade 8, Kentucky)

Art medium: colored pencils

"The marine debris impacts me because I love nature. Just seeing all that junk in the ocean makes me upset and depressed. I have never been to the ocean personally, but I am going to try to spread the word. I will pick up piece of every trash I see in hope that it will not be swept into the ocean."

JUNE



By Kaylee M.
(Grade 5, Hawaii)

Art medium: colored pencils, marker

"Marine debris impacts me because fish eat the garbage and then I eat them. I will try and help by being careful where I throw rubbish and recycle more."

JULY



By Jenny B.
(Grade 8, Michigan)

Art medium: colored pencils

"Marine debris kills animals and coral reefs. I recycle and I try not to waste stuff that does not need to be thrown away every time it is used. I also try not to litter."

AUGUST



By Lindsey B.
(Grade 8, North Carolina)

Art medium: oil pastels

"All of the debris in the ocean affects me when I go to the beach or go fishing. Also, marine debris affects all sorts of wildlife. I go the beach occasionally and clean up the beach with friends."

SEPTEMBER

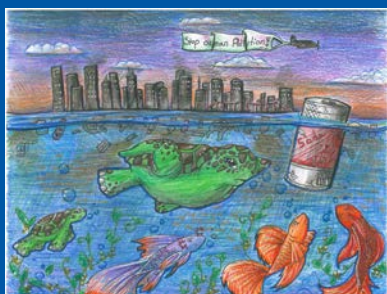


By Maggie R.
(Grade 3, West Virginia)

Art medium: colored pencils, crayon, paint

When I visited the ocean, I saw trash, dirty sand, and dead crabs. When I'm home we use organic products to help the world's waters. We conserve, recycle and try to tell others how trash affects all life.

OCTOBER

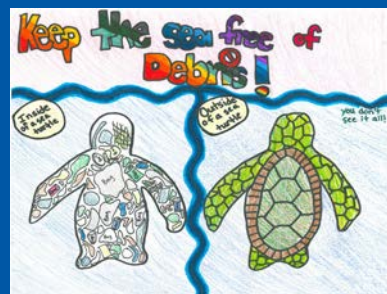


By Deanna W.
(Grade 8, North Carolina)

Art medium: White out pen, colored pencil, pen

"Marine debris pollutes the ocean and affects the food we eat. North Carolina's economy depends on fish. So, less fish can cause a major problem. Whenever I go to the beach I pick up trash I see even if it's not mine."

NOVEMBER



By Aleena F.
(Grade 5, Texas)

Art medium: marker and crayons

"The ocean is home to sea life and marine debris makes it very unsafe for our sea animals. When I found out how bad it was hurting them, I knew I needed to help stop it. My family and I use as many reusable items as we can to help."

DECEMBER



By Araminta L.
(Grade 7, Washington)

Art medium: markers

"The picture I drew depicts a sea creature surrounded by garbage. The octopus in my illustration is wrapping its tentacles around stray trash preparing to throw it all back onto land. In the top right tentacle is a sign reading 'S.O.S.' in parody to 'S.O.S.' an old sailing term."

**NOAA Marine Debris Program
Office of Response and Restoration
National Oceanic and Atmospheric Administration
U.S. Department of Commerce**



www.MarineDebris.noaa.gov

Please recycle.