

Plastics: Kids love to help with beach cleanups

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sure to not leave it behind," said Pooka Rice, outreach coordinator for the Haystack Rock Awareness Program.

In years past, children were drilled on the importance of recycling. With rising concerns about plastic pollution and especially the accumulation of microplastics — tiny pieces of plastic that are difficult if not impossible to recycle — Trash Talk's work tries to answer a new and growing recycling conundrum: What to do with the excessive amount of plastic that gets dumped into the environment and then washes up in strange tiny pieces on the beach.

Kids love to help with beach cleanups.

"It's a way for them to feel like they're doing something," Rice said. "Just because they're small



Katie Frankowicz/The Daily Astorian

Students at Bumble Art Studio's preschool program arrange marine plastic debris into a mural on an old window.

doesn't mean they can't help."

But the project also gives them permission to view these scraps that pollute marine environments as potential art materials.

For the students of Simply Kids Preschool, the reuse

work they were engaged in as an art project carries on in their own classrooms, said Adrienne Hunter, the preschool's owner and operator.

In their creative play, the students are often asked to look at recyclable objects like the cardboard centers of

toilet paper rolls or peanut butter jar lids and ask themselves, "What can this be other than what it is?"

The preschool uses dishes made from recycled plastics and they got rid of single-use paper napkins, instead using cloth napkins. Objects that would have been trash are often repurposed in the classroom.

For Hunter, the extra cost of forgoing easy and often cheaper options like paper napkins or disposable dishes is not even a question.

"Our focus was really not looking at the costs," she said, "but just being conscious of how we use things and what we throw away."

The preschoolers' windows, along with the work of other young students in local classrooms, will be on display at the old ABECO building on Commercial Street during Second Saturday Art Walk in April.

Mitchell: Voiced support of cap-and-trade program bill

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But educators in attendance Sunday said the committee's budget, which is less than the \$9 billion requested by Gov. Kate Brown, falls well short of providing what students and teachers need.

Mitchell, D-Astoria, agreed with concerns over funding for education and other essential services but said a lot depends on being able to raise more revenue.

"Based off of what we have right now, there isn't a lot of room to grow at the moment, especially since there are indications we're on kind of a downward (economic) trend," she said.

Much of the attention at the town hall was toward putting more pressure on state Sen. Betsy Johnson, D-Scappoose, a co-chairwoman of the Joint Committee on Ways and Means and one of the most powerful state legislators.

Johnson was called out by some for not supporting Measure 97, an unsuccessful ballot measure for a gross receipts tax in 2016. Jan Mitchell, a local organizer, asked Mitchell how to get through to legislators like Johnson about the lack of funding for social services and the need to make more revenue from private timberland owners and other corporations.

Rep. Mitchell called on people to rally around specific legislation, push it with their legislators and show up to Salem with their stories. As for raising revenue, she supported Measure 97, but said not every legislator felt the same way about raising taxes on corporations.

Mitchell shared her hopes for legislation this session to ban single-use plastic bags and polystyrene, while discouraging

the use of disposable plastic straws.

She heard from people concerned about the fees related to opting out of Pacific Power's new smart power meters, and from a parent worried about being mandated to get her child vaccinated.

Mitchell voiced her support for state House Bill 2020, which would create the nation's first carbon cap-and-trade program.

The Georgia-Pacific Wauna Mill is the largest single employer in Clatsop County and would be affected by the legislation. Kristi Ward, a spokeswoman for the mill, called the cap-and-trade proposal one of the most concerning pieces of legislation she's ever seen.

"We work very hard to make our mill more competitive in an environment that every year gets more and more competitive, and you see more and more paper mills shutting down," she said.

There are mills in the Midwest that already ship into Wauna Mill's market west of the Rocky Mountains without the added cost of capping carbon emissions, Ward said. "Pennies matter per case, basically," she said.

The cap-and-trade bill is not being put together without talking to communities around the state, Mitchell said. She pointed out how the proposed legislation would greatly increase the cap initially on carbon emissions for energy-intensive facilities like the Wauna Mill.

"I think that while obviously what you said, 'Pennies on each box,' does mean something, they are definitely trying to figure out a way of trying to help those industries who have a competitive issue there," Mitchell said.

Ocean: Not as productive as before heat wave

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The cooler waters are good news for whales and salmon. Prey that salmon rely on appear to be in abundance, and indicators researchers use to predict juvenile and adult salmon survival increased slightly. There were no major seabird die-offs in 2018, and sea lion pups were finding enough to eat.

However, the ocean is still not as productive as it was before the heat wave. For researchers, there are lingering questions: Is this the new normal, where major events like marine heat waves routinely disrupt ocean creatures and fisheries? Or is the ocean truly going back to what it was like before 2014?

The last couple of years have been a slow transition away from the unproductive hot years, said Toby Garfield, the director of NOAA's environmental research division, who co-edited the report. He and other researchers presented the ecosystem report to the Pacific Fisheries Manage-

ment Council on Thursday.

"The system is in transition, but to what?" Garfield said. "We're not sure."

Researchers saw an intense but short-lived heat surge last fall. Some theorized a new heat wave might be forming in the North Pacific. But a heat wave never fully established itself.

"That doesn't mean it can't re-establish," Garfield said. Researchers have seen this happen before. Still, it was mostly gone by December and has not reformed as of February.

And there are troubling reminders of the recent past, evidence that the warm waters are still influencing the biology of the system, said Chris Harvey, of the Northwest Fisheries Science Center, and a co-editor of the report.

Researchers continued to see massive amounts of pyrosomes off the Oregon Coast in 2018. These semitranslucent "sea pickles," more common in water warmer than what is usually found off

the North Coast, showed up en masse in 2017. They gum up commercial fishing gear and feed on planktonic organisms that are important food to small fish, and, in turn, to larger marine creatures.

There are predictions for poor returns of Chinook salmon in 2019, fish that likely suffered in the conditions they found when they entered the ocean during the unusually warm years.

Harmful algal blooms have also been widespread. NOAA included information about the blooms in the assessment for the first time ever, acknowledging the impact of the events, which shut down popular and valuable razor clam and crab fisheries.

"This was clearly a problem and potentially related to the warmer-than-average conditions," Harvey said.

Harmful algal blooms have proved to be a serious management issue for state fish and wildlife departments, shutting down and delaying fisheries. One of the largest

toxic blooms ever recorded on the West Coast occurred during the hot years.

Whale entanglements in fishing gear also continued, likely influenced by harmful algal blooms, which altered where and when fishing gear might be present in the water.

Most of the confirmed reports of whale entanglement came from California, Harvey said. Of the confirmed reports, most involved humpback whales. Often the fishing gear the whales tangled with was not identified. When it was, it was often crab gear.

Researchers expect to see "hypoxic," or dead zones, of low oxygen waters along the sea floor become widespread off the Oregon and Washington coasts this spring and summer — bad news for bottom dwellers — as well as corrosive waters caused by ocean acidification — bad news for shellfish.

Overall, Garfield said, the ocean seems to be continuing to cool and adjust.

"But it's taking its time."

Sundstrom: 'I wanted to teach all kinds of dancers'

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professional career, came to Astoria as part of an outreach program where dancers perform at schools and libraries. The professional dancers then collaborate with local dancers.

"I like to break through the snobbishness and open up to the beauty of (ballet)," Sundstrom said. "It comes from the royal court ... and I kind of want to work toward

changing that culture and opening the doors so everyone can enjoy it."

Sundstrom has been the director OBT2 since its inception in 2016. Before that, she spent more than 10 years touring as a professional dancer for ABT2, the training company for American Ballet Theatre, the Pennsylvania Ballet and then again as a dancer for American Ballet Theatre.

She started in leading roles

in famous works such as "Swan Lake" and "Romeo and Juliet."

After retiring in the mid 1990s, Sundstrom began teaching across the country at small ballet schools.

"I wanted to teach all kinds of dancers, not just the talented ones," she said. "I just wanted to teach the dancers who wanted to learn."

Eventually, Sundstrom came back home to Oregon to direct the Portland Fes-

tival Ballet. She decided to take the job with Oregon Ballet Theatre to give back to the next generation of dancers in the state that started her career.

She hopes programs, like the one in Astoria, will help more dancers pursue the art of ballet like she did.

"I know the very first time I was on stage with professionals it was a very inspirational moment for me," she said.

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TV SCHEDULE

A - Charter Astoria/ Seaside - L - Charter Long Beach

MONDAY EVENING												MARCH 11	
A	L	6 PM	6:30	7 PM	7:30	8 PM	8:30	9 PM	9:30	10 PM	10:30	11 PM	11:30
2	KATU	(2) KATU News at 6 (N)		Jeopardy! (N)	Wheel of Fortune	The Bachelor (N)				The Good Doctor "Trampoline" (SF) (N)	News (N)	(35) Jimmy Kimmel	
3	KOMO	(4) KOMO 4 News at 6pm (N)		Wheel of Fortune	Jeopardy! (N)	The Bachelor (N)				The Good Doctor "Trampoline" (SF) (N)	KOMO4 News (N)	(35) Jimmy Kimmel	
4	KING	(5) NBC News (N)	KING 5 News (N)	KING 5 News (N)	Evening	The Voice "The Blind Auditions Part Five" (N)				The Enemy "The Ambassador's Wife" (N)	KING 5 News (N)	(35) Tonight Show	
5	KOIN	(7) KOIN 6 News (N)	Evening News (N)	Extra	Ent. Tonight (N)	Neighborhood (N)	Man Plan (N)	Magnum P.I. "A Kiss Before Dying" (N)		Bull "Jury Duty"	News (N)	(35) Colbert	
6	KIRO	(7) KIRO 7 News (N)	Evening News (N)	KIRO 7 News (N)	Ent. Tonight (N)	Neighborhood (N)	Man Plan (N)	Magnum P.I. "A Kiss Before Dying" (N)		Bull "Jury Duty"	KIRO News (N)	(35) Colbert	
7	KGW	(3) KGW News at 6:00 p.m. (N)		Tonight Cassidy	Inside Edition	The Voice "The Blind Auditions Part Five" (N)				The Enemy "The Ambassador's Wife" (N)	News (N)	(35) Tonight Show	
8	KRCW	(3) Modern Family	Modern Family	The Goldbergs	The Goldbergs	Arrow "Training Day" (N)	Black Lightning (N)			News (N)	Friends	Two and a Half	Two and a Half
9	KOPB	(10) This Old House	Nightly Business	PBS NewsHour (N)		Conversation Ellen Robertson talks with filmmaker Ken Burns.	Bill Moyers Bill Moyers reflects on his life and career.			Wings Over Grand Canyon			
10	KPTV	(12) 6 O'Clock News (N)		Family Feud	Family Feud	The Passage "Stay in the Light" (N)	The Passage "Last Lesson" (SF) (N)			10 O'Clock News (N)	News (N)	Page Six TV	
11	KPDx	(7) Mike & Molly	Mike & Molly	Big Bang Theory	Big Bang Theory	8pm Prime News (N)	9pm Prime News (N)			Big Bang Theory	Family Guy	American Dad!	The Game
12	KCPQ	(13) Modern Family	Modern Family	Big Bang Theory	Big Bang Theory	The Passage "Stay in the Light" (N)	The Passage "Last Lesson" (SF) (N)			Q13 NEWS AT 10 (N)	News (N)	The Simpsons	
13	TBS	(20) Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	American Dad! (N)	American Dad!	Conan (N)	Seinfeld Pt. 1 of 2
14	KZJO	(22) Black-ish	Black-ish	Mom	Modern Family	Mom	Modern Family	Q13 News at 9 (N)		Big Bang Theory	Big Bang Theory	Two and a Half	Two and a Half
15	ESPN	(29) NCAA Basketball WCC Tournament (L)		SportsCenter (N)		SportsCenter With Scott Van Pelt (N)	SportsCenter (N)			SportsCenter (N)			
16	ESPN2	(30) NCAA Basketball MAAC Tournament (L)		Basketball Score.	NCAA Basketball WCC Tournament Semifinal (L)					E:60 Pictures	Now or Never (N)	UFC UFC	
17	NICK	(31) The Loud House	The Loud House	The Loud House	The Loud House	Double Dare	Double Dare	To Be Announced		Friends	(35) Friends		
18	DISN	(32) Coop & Cami	Coop & Cami	Kim Possible (2019, Comedy)	Sean Giambrone, Sadie Stanley.	(40) Coop & Cami		(05) Raven's Home	Raven's Home	Sydney to the Max	Coop & Cami	Andi Mack	Raven's Home
19	FAM	(34) (5:30) ★★ Hitch (2005, Comedy)	Eva Mendes, Kevin James, Will Smith.	Shadowhunters "Beati Bellicosi" (N)	★★★ Toy Story 2 ('99, Ani)	Voices of Tim Allen, Kelsey Grammer, Tom Hanks.		★★★ Trainwreck (2015, Comedy)	Bill Hader, Colin Hanks, Amy Poehler.				The 700 Club
20	FMC	(35) Movie	(50) ★★ The Internship (2013, Comedy)	Owen Wilson, Rose Byrne, Vince Vaughn.	Escaping Polygamy "Yolanda"	Escaping Polygamy		Escaping Polygamy	Forbidden Love	(05) Polygamy "Confronting the Faith"			
21	LIFE	(36) The First 48: Lost "Girl Fight"	Esc. Polygamy "Rebel With a Cause"	Escaping Polygamy "Yolanda"									
22	ROOT	(38) Mariners Access	MLB Baseball Spring Training Kansas City Royals vs. Seattle Mariners Site: Peoria Stadium -- Peoria, Ariz. (L)	Mariners Access						MLB Baseball Spring Training Kansas City Royals vs. Seattle Mariners			
23	F51	(39) NCAA Basketball Big 12 Tournament (L)		Biting Premier Champions Shawn Porter vs. Yordenis Ugas						INSB PBC Boxing (N)	Fair Game	TMZ Sports (N)	
24	SPIKE	(43) Two and a Half	Two and a Half	Cops	Cops	Cops	Cops	Cops	Cops	Cops (N)	Cops	Cops	Cops
25	COM	(44) Parks and Rec	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Daily Show (N)	The Other Two
26	HIST	(45) American Pickers "Hello Jell-O"	Amer. Pickers "Pickin' for the Fences"	Amer. Pickers "Raiders of the Lost Pick"	Amer. Pickers "Rock'n'Roll Heaven" (N)	(05) Pawn Stars "Pawn to the Rescue"	(05) Pawn Stars "Pawn of the Seas"			(05) Pawn Stars "Pawn to the Rescue"	(05) Pawn Stars "Pawn of the Seas"		
27	A&E	(46) (4:30) Con Air ('97, Action) Nicolas Cage.	Michael Jackson: The Footage from Michael Jackson's life and interviews.	John & Yoko The making of John Lennon's 1971 album 'Imagine.' (N)	(05) Little People "It's Been Pretty Tough"	Little People "American Garage Part 1"				(05) Little People "It's Been Pretty Tough"	Michael Jackson: The		
28	TLC	(47) Say Yes-Dress	Say Yes-Dress	Counting On "Love and Loss"	Counting On "The Abbie Gown" (N)	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"	Street Outlaws "No Prep Kings"
29	DISC	(48) Street Outlaws "Buckeye Battles"	Street Outlaws: Full Throttle (N)	Riddle of the Stone Age Giants	Outlaws:NoPrep Kings Street Outlaws favorites duke it out with newcomers. (N)	Buried "Parting the Red Sea" (P) (N)	Riddle of the Stone Age Giants			Buried "Parting the Red Sea" (P) (N)	Riddle of the Stone Age Giants		
30	NGEO	(49) One Strange Rock "Home"	Lost World of the Maya	★★★ Red (2010, Action)	Mary-Louise Parker, John Malkovich, Bruce Willis.	★★★ I, Robot (2004, Sci-Fi)	Bridget Moynahan, Alan Tudyk, Will Smith.			(15) ★★ Red 2 (2013, Action)	Helen Mirren, John Malkovich, Bruce Willis.		
31	TNT	(51) (5:15) ★★ The Bourne Legacy ('12) Rachel Weisz, Edward Norton, Jeremy Renner.	★★★ The Fugitive ('93, Thriller) Sela Ward, Tommy Lee Jones, Harrison Ford.							(35) ★★ Live Free or Die Hard ('07) Bruce Willis.			
32	AMC	(50) (5:00) ★★ The Fugitive ('93, Thriller) Sela Ward, Tommy Lee Jones, Harrison Ford.											
33	USA	(52) NCIS "Choke Hold"	NCIS "The San Dominick"	WWE Monday Night Raw						Family Food Showdown	Buddy vs. Duff "The Battle Begins"		
34	FOOD	(53) Baking "Monkey See, Monkey Bake"	Kids Baking "Let's Taco About Baking"	Kids Baking: Extra "Puzzle Me This" (N)	Kids Baking "Desserts Doing Good" (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)
35	HGTV	(54) Love It or List It	Love It or List It	★★★ World War Z (2013, Action)	Mireille Enos, Daniella Kertesz, Brad Pitt.	★★★ World War Z (2013, Action)	Mireille Enos, Brad Pitt.			★★★ World War Z (2013, Action)	Mireille Enos, Brad Pitt.		
36	FX	(56) (5:30) The Huntsman: Winter's War ('16) Jessica Chastain, Chris Hemsworth.		CNN Tonight With Don Lemon	CNN Tonight With Don Lemon	Anderson Cooper 360				Cuomo Prime Time	CNN Tonight With Don Lemon		
37	CNN	(57) Cuomo Prime Time		Fox News @ Night Hard news and analysis of the most compelling stories.	The Profit "NYC Bagel Deli"	The Profit "NYC Bagel Deli"				Hannity	Fox News @ Night		
38	FNC	(58) Hannity		Deal or No Deal "Ice Cream Dreams"	Deal or No Deal "Ice Cream Dreams"	Vanderpump Rules "Reptilian Brain"	Vanderpump Rules "Tom vs. Tom" (N)	Summer House (N)		Hannity	Fox News @ Night		
39	CNBC	(61) Deal or No Deal "Father Knows Best"	Deal or No Deal "Ice Cream Dreams"	Vanderpump Rules "Return of Crazy Kristen"	Vanderpump Rules "PJs on the PJ"	★★★ Broadway Melody of 1940 ('40) Eleanor Powell, Fred Astaire.				Deal or No Deal "Ice Cream Dreams"	Deal or No Deal "Ice Cream Dreams"		
40	BRAV	(63) VanderpumpR "Return of Crazy Kristen"	Vanderpump Rules "PJs on the PJ"	★★★ Skyfall (2012, Action)	Helen McCrory, Ralph Fiennes, Daniel Craig.					Watch What (N)	Vanderpump Rules		
41	TCM	(64) (5:00) You Were Never Lovelier	The Band Wagon (1953, Comedy) Cyd Charisse, Oscar Levant, Fred Astaire.							Three Little Words ('50) Fred Astaire.			
42	SYFY	(65) (4:55) ★★ The Magnificent Seven ('16) Chris Pratt, Denzel Washington.								Futurama Pt. 1 of 4	Futurama Pt. 2 of 4		
43	RFD	(62) American Rancher	Red Steagall	Steve Lantvit	Horse of the West	Craig Cameron	Rural Eve. News	Rural America "Live" "Americo"		American Rancher	Red Steagall		Product Showcase