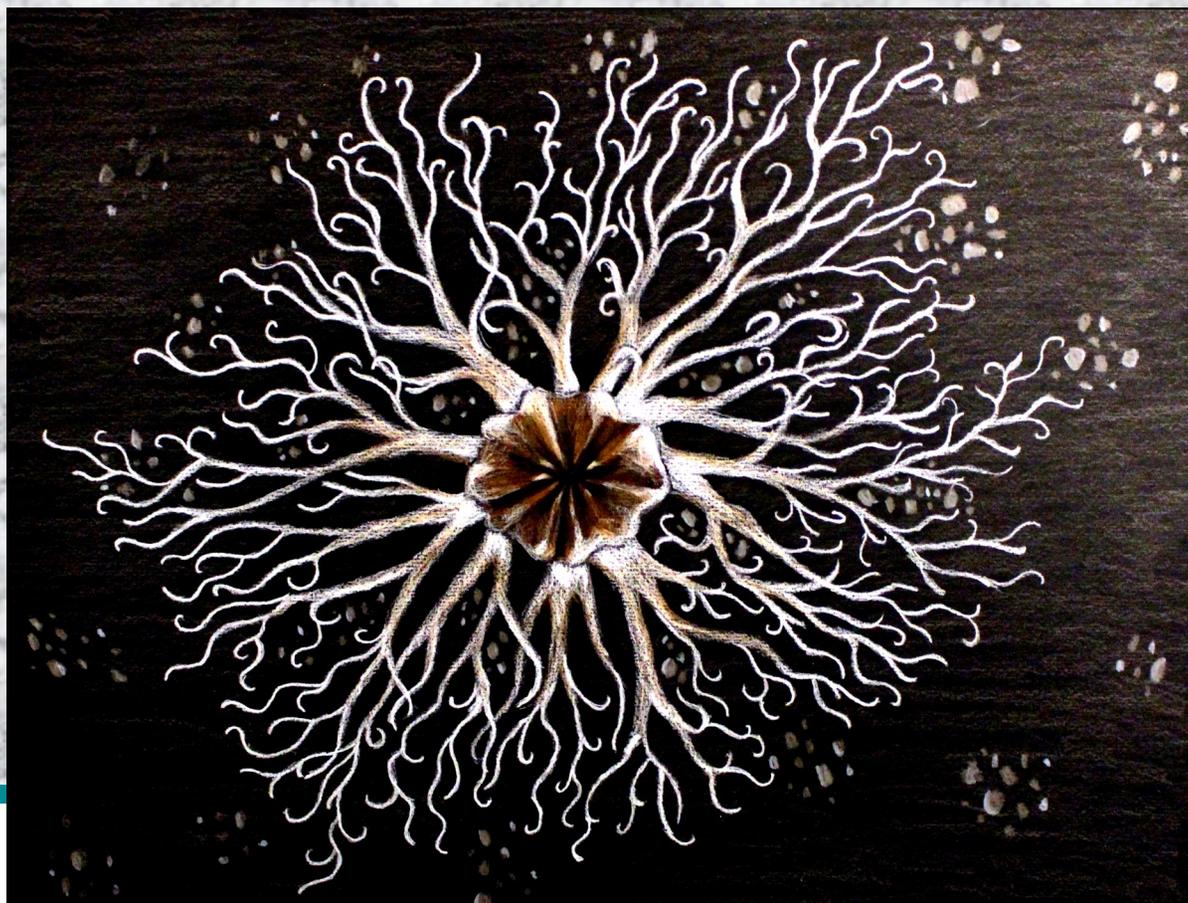


# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

2016 Calendar plus bonus months



Selections from the Massachusetts Marine Educators Marine Art Contest



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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

September 2015-December 2016 Calendar

Massachusetts Marine Educators, a non-profit organization of formal and informal educators, is proud to offer this 2016 calendar showcasing entries from the 2015 Marine Art Contest for students in grades K-12. The annual contest's theme is "Amazing Ocean Creatures of Stellwagen Bank National Marine Sanctuary." Entries are judged in five categories: elementary school (grades K-4), middle school (grades 5-8), high school (grades 9-12), scientific illustration (all grades) and computer graphics (all grades). A major goal of this effort is to integrate science and art, and to instill in students an appreciation of the beauty and diversity of the marine life in waters off the Massachusetts coast.

We hope that you find inspiration from the work of these talented and creative student artists. While most of the entrants were Massachusetts-based public, private and home-schooled students, our 2015 contest attracted participants from nine other states. We invite students from across the nation and around the world to participate in this year's contest (the deadline is April 29, 2016). You can find contest information at the back of this calendar or at the following websites: Massachusetts Marine Educators — [www.massmarineeducators.org](http://www.massmarineeducators.org) and Stellwagen Bank National Marine Sanctuary — <http://stellwagen.noaa.gov>.

The 2016 calendar is downloadable from both the MME and sanctuary websites. All prize-winning artwork and honorable mention selections from past years can also be viewed on the sanctuary's website. The winning selections and some of the honorable mentions become part of a traveling exhibition that tours eastern Massachusetts sites. Check the sanctuary website for dates and locations.



Winning art from the  
2015 MME Marine Art Contest



(Above) *Common Dolphins* by Merissa Loiselle (Computer Graphics Division)  
gr. 11, Old Colony Regional Vocational Technical HS

**Mixed Divisions** (left to right):

*Lobster* by Elizabeth Salomaa., gr. 12, Chelmsford HS (HS Division); *Leatherback Sea Turtle and Jellies* by Edward and Lewis H., gr. K, Fiske Elementary and gr. 7, William Diamond MS (Elementary and Middle School Divisions); *Atlantic Puffins* by Saoirse K., gr. 6, Pierce MS (Middle School Division); *Jellyfish* by Emily Meads, gr. 10, Nauset Reg. HS (Scientific Illustration Division).

**COVER:** *Northern Basket Star* by Hanna Sweeney, gr. 10, Nauset Reg. HS (Scientific Illustration Division)

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## AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY



Winning art from the  
2015 MME Marine Art Contest

### 2015 Marine Biodiversity Judges' Choice Award Winners

The Massachusetts Marine Educators Marine Art Contest awarded special judges' choice prizes to celebrate the diversity of marine life in New England waters and to recognize creativity, outstanding technique and/or thinking outside-of-the-box in terms of artistic interpretation. The sanctuary is one of the most biologically diverse areas in the Gulf of Maine, hosting close to 600 known species, and probably many others that are yet to be described (especially at the micro level).

Award-winning art, clockwise from top right:

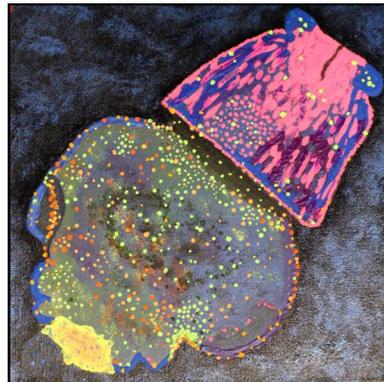
**SEA TURTLE:** *Green Sea Turtle* by Jenny Qiu, Acton-Boxborough Reg. HS, gr. 11. Sea turtles, and especially green sea turtles, are rarely seen in the sanctuary, but if they are, they are usually in pursuit of food. Most sea turtles spotted here are juveniles, especially the greens.

**MARINE MAMMAL:** *Humpback Whale* by Bella Branlund, Nauset Reg. HS, gr.9. Marine mammals in the sanctuary include whales, dolphins, porpoises, and seals. The area is an important feeding ground for many species, including the humpback whale, a favorite among whale watchers due to its dramatic behaviors.

**SEABIRD:** *Red Phalarope* by Mathea Madsen, Falmouth HS, gr. 10. Red phalaropes spin on the surface to churn up zooplankton that they pick out of the water. They are usually seen in the summer and fall.

**INVERTEBRATE:** *Squid Embryo* by Chloe Samter, Falmouth HS, gr. 11. Squid are both predator and prey — feeding on small fish like herring, but serving as the main course for larger fish and marine mammals. This depiction is derived from research studies of this species in Woods Hole.

**FISH:** *Striped Bass* by Sophia Broderick, Falmouth HS, gr. 10. Striped bass numbers were once perilously low, but conservation efforts have worked to increase numbers. This is now a popular catch for recreational fishermen, but this species cannot be taken in federal waters. A 3-D representation showcases the distinctive stripes along the fish's side.



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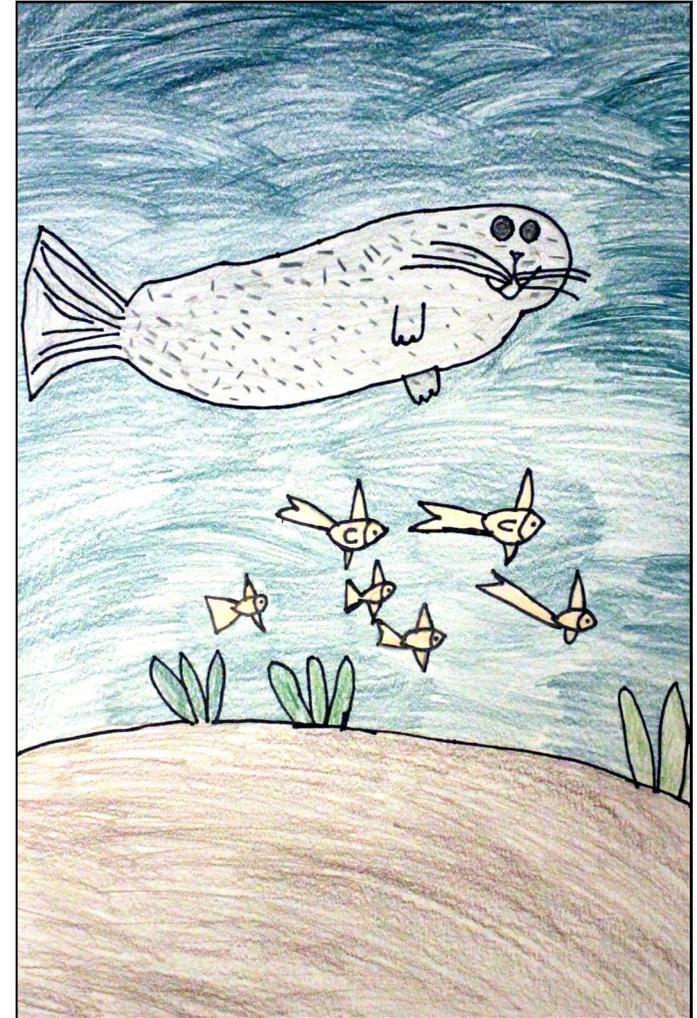


Winning art from the  
 2015 MME Marine Art Contest

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## SEPTEMBER 2015

SUN	MON	TUE	WED	THU	FRI	SAT
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>			



(Above) *Harbor Seal and Fish* by Adison R., gr. 3, Antioch School, Fall River



**ELEMENTARY SCHOOL DIVISION** (left to right):  
*Rock Crab* by William H., gr. K, Hatherly ES, Scituate; *Sea Turtles* by Candice L., gr. 2, Bridge ES, Lexington; *Atlantic White-sided Dolphin* by Victoria P., gr. 4, Homeschool, New Bedford; *Flounder and other Marine Life* by Alexandra F., gr. 1, Antioch School, Fall River.

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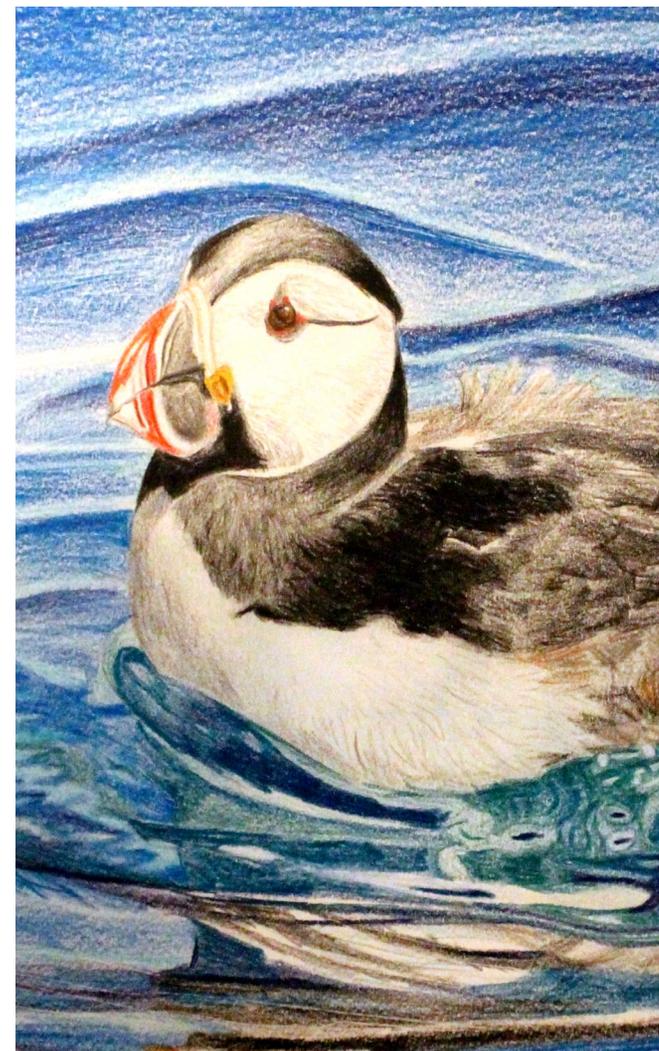


Winning art from the  
 2015 MME Marine Art Contest

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## OCTOBER 2015

SUN	MON	TUE	WED	THU	FRI	SAT
				<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>



(Above) *Atlantic Puffin* by Rebecca K., gr. 8, Jonas Clarke MS, Lexington



**MIDDLE SCHOOL DIVISION** (left to right):  
*Humpback Head* by Claire M., gr. 8, Jonas Clarke MS; *Common Loon* by Delaney H., gr. 8, Central Tree MS, Rutland; *Harp Seal Pup* by Julia S., gr. 8, Central Tree MS, Rutland; *Jellyfish* by Viiviann N., gr. 7, Pierce MS, Milton.

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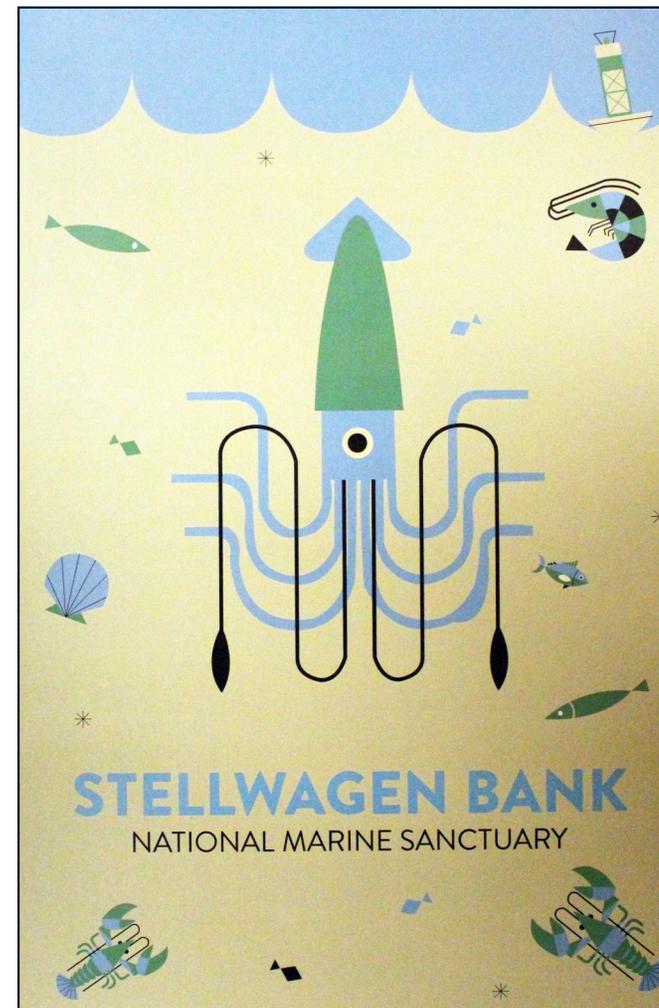


Winning art from the  
 2015 MME Marine Art Contest

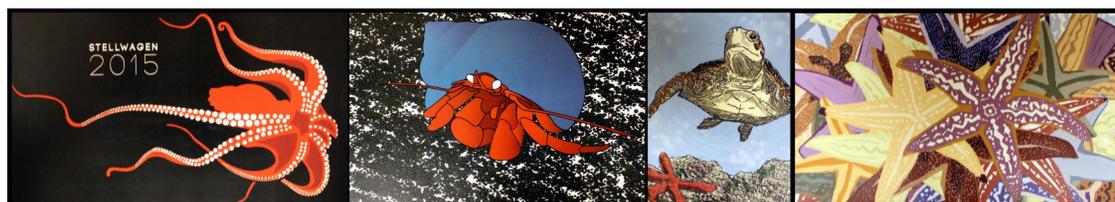
# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## NOVEMBER 2015

SUN	MON	TUE	WED	THU	FRI	SAT
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b>					



(Above) *Squid and other Species* by Jasmyne Dias, gr. 11, Old Colony Regional Vocational Technical High School, Rochester.



**COMPUTER GRAPHICS DIVISION** (left to right):

- Octopus* by Benjamin Sullivan, gr. 10, Old Colony Reg Voc Tech HS;
- Acadian Hermit Crab* by Kiera Perryman, gr. 9, Old Colony Reg Voc Tech HS;
- Loggerhead Turtle and Blood Star* by Brianna Atkinson, gr. 10, Old Colony Reg Voc Tech HS;
- Forbes' Asterias Sea Stars* by Alex Amarello, gr.12, Old Colony Reg Voc Tech HS.

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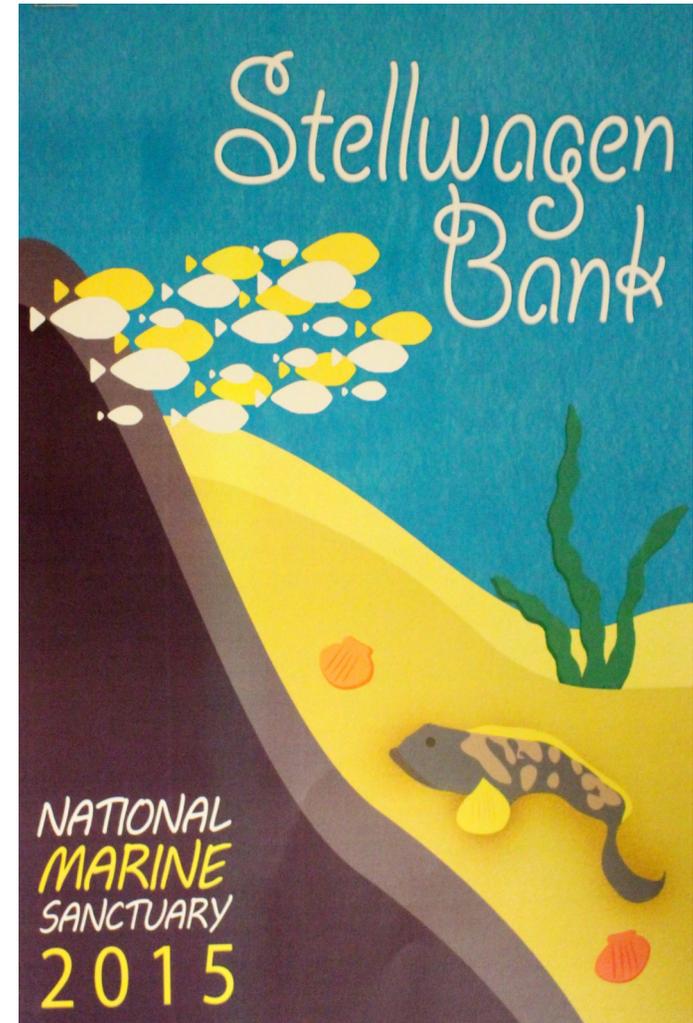


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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## DECEMBER 2015

SUN	MON	TUE	WED	THU	FRI	SAT
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>		



(Above) *Ocean Pout* by Quinn Washington, gr. 12, Bourne High School



**COMPUTER GRAPHICS DIVISION** (left to right):  
*Whale Tail* by Joe Estey, gr. 11, Bourne HS; *American Lobster* by Gail Reardon, gr. 12, Bourne HS; *Shipwreck, Octopus and Haddock* by Hailey Rondeau, gr. 9, Bourne HS; *Sea Stars* by Kerri Anderson, gr. 12, Bourne HS; *Green Sea Turtle* by Chloe Karar, gr. 9, Old Colony Reg Voc Tech HS, Rochester.

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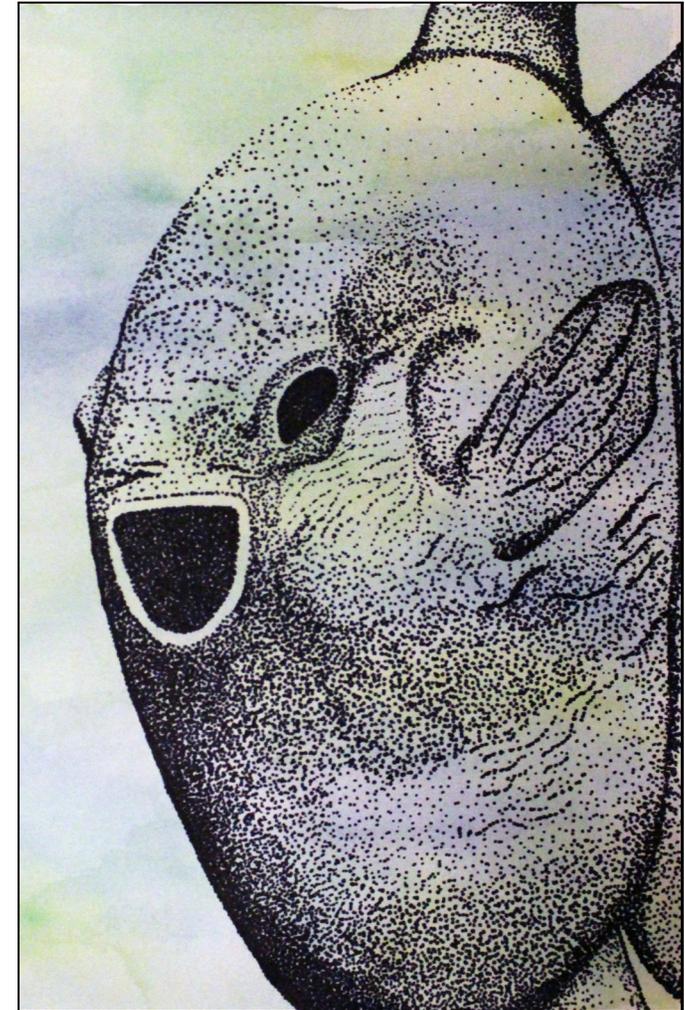


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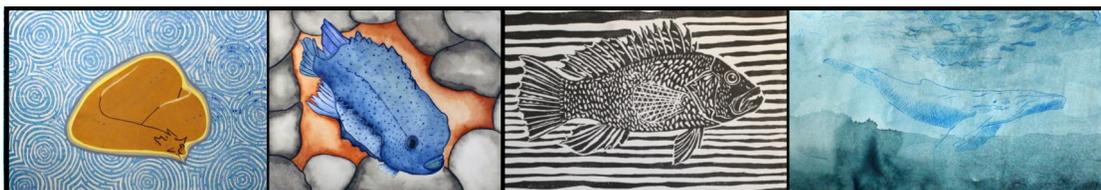
# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## JANUARY 2016

SUN	MON	TUE	WED	THU	FRI	SAT
					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>31</b>						



(Above) *Ocean Sunfish* by Shaye Ellard, gr. 12, Nauset Regional High School



**HIGH SCHOOL DIVISION** (left to right):  
*Hagfish* by Allegra Martin, gr. 11, Nauset Reg HS; *Lumpfish* by Heven Wall,  
 gr. 11, Falmouth HS; *Black Sea Bass* by Emily Wright, gr. 10, Falmouth HS;  
*Humpback Whale* by Robin Moynihan, gr. 9, Nauset Reg HS.

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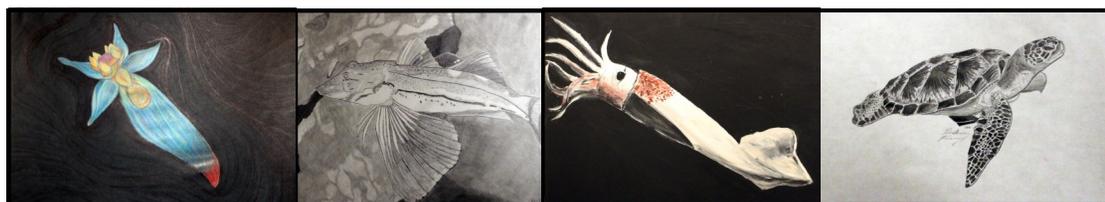
# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## FEBRUARY 2016

SUN	MON	TUE	WED	THU	FRI	SAT
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
<b>28</b>	<b>29</b>					



(Above) *Lion's Mane Jelly* by Emily Meads, gr. 10, Nauset Regional High School



**SCIENTIFIC ILLUSTRATION DIVISION** (left to right):  
*Sea Butterfly* by Danielle Geheb, gr. 11, Nauset Reg HS; *Northern Sea Robin* by Halley Steinmetz, gr. 12, Nauset Reg HS; *Squid* by John Maga, gr. 11, Wilmington HS; *Sea Turtle* by Brendan Flannery, gr. 9, Middle Creek HS, Apex, NC.

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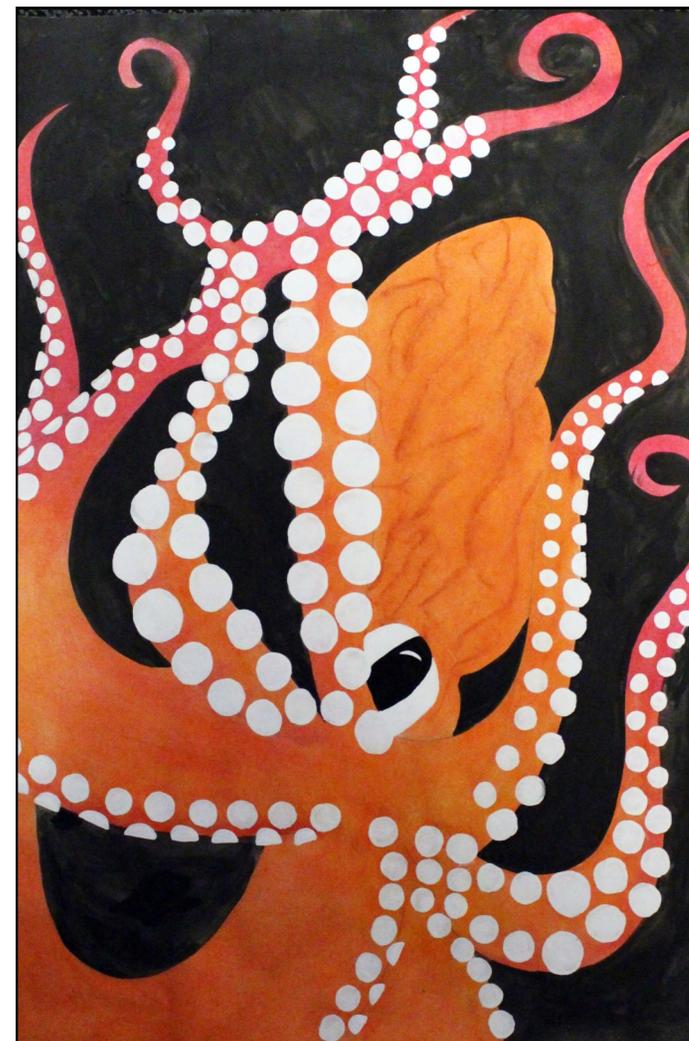


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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## MARCH 2016

SUN	MON	TUE	WED	THU	FRI	SAT
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>		



(Above) *Octopus* by Morgan B., gr. 8, Marshall Simond Middle School, Burlington



**MIDDLE SCHOOL DIVISION** (left to right):  
*Humpback Whale* by Maiia B., gr. 6, Kennedy MS, Waltham; *White Shark and Squid* by Lewis H., gr. 7, William Diamond MS, Lexington; *Red-necked Phalaropes* by Hyonon K., gr. 8, McDevitt MS, Waltham; *Winged Sea Star* by Emily D., gr.7, Pierce MS, Milton..

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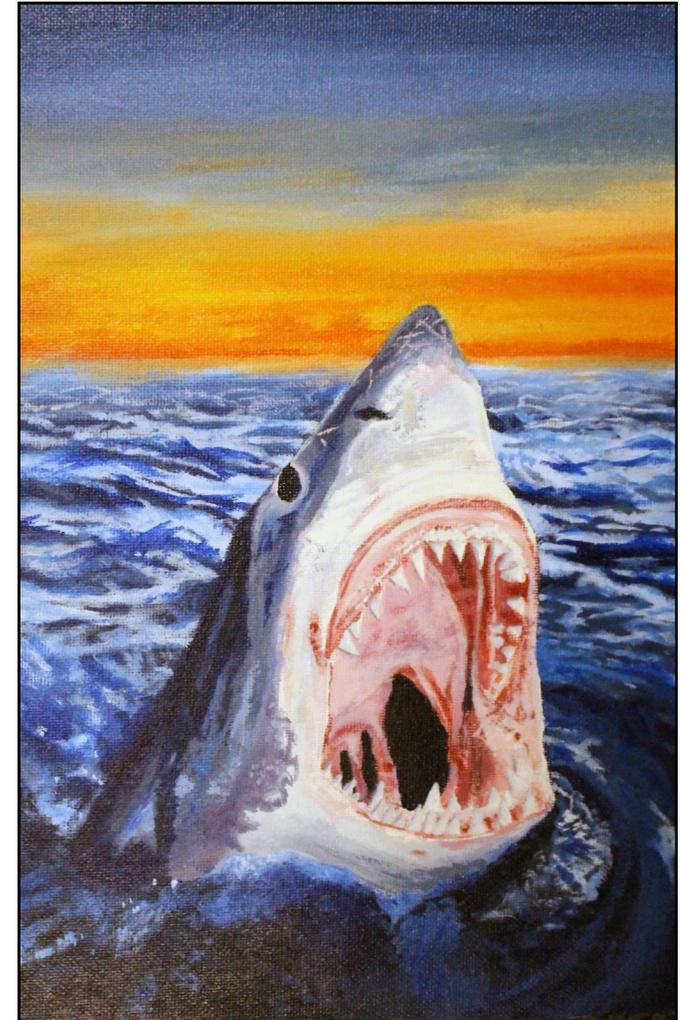


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 2015 MME Marine Art Contest

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## APRIL 2016

SUN	MON	TUE	WED	THU	FRI	SAT
					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>



(Above) *White Shark* by Raissa Li., gr. 9, Luckie Art Studio, Lexington



**HIGH SCHOOL DIVISION** (left to right):

*Green Sea Turtles* by Irene Qi, gr. 11, Cranbrook Kingswood HS, Canton, MI;  
*American Lobster* by Emily Wysocki, gr. 11, Norfolk County Agricultural HS,  
*Double-crested Cormorants* by Alyssa Bennett, gr. 12, Plymouth South HS;  
*Whale Tail* by Julia Richardson, gr. 11, Cohasset HS.

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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## MAY 2016

SUN	MON	TUE	WED	THU	FRI	SAT
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b>	<b>31</b>				



(Above) *Ctenophore* by Gina Trott, gr. 10, Nauset Regional High School



**SCIENTIFIC ILLUSTRATION DIVISION** (left to right):  
*Humpback Whale* by Bella Branlund, gr. 9, Nauset Reg HS; *Northern Basket Star*  
 by Hanna Sweeney, gr. 10, Nauset Reg HS; *Sea Raven* by Marcus Dalpe, gr. 11,  
 Falmouth HS; *Northern Fulmar* by Eliza Davern, gr. 12, Falmouth HS.

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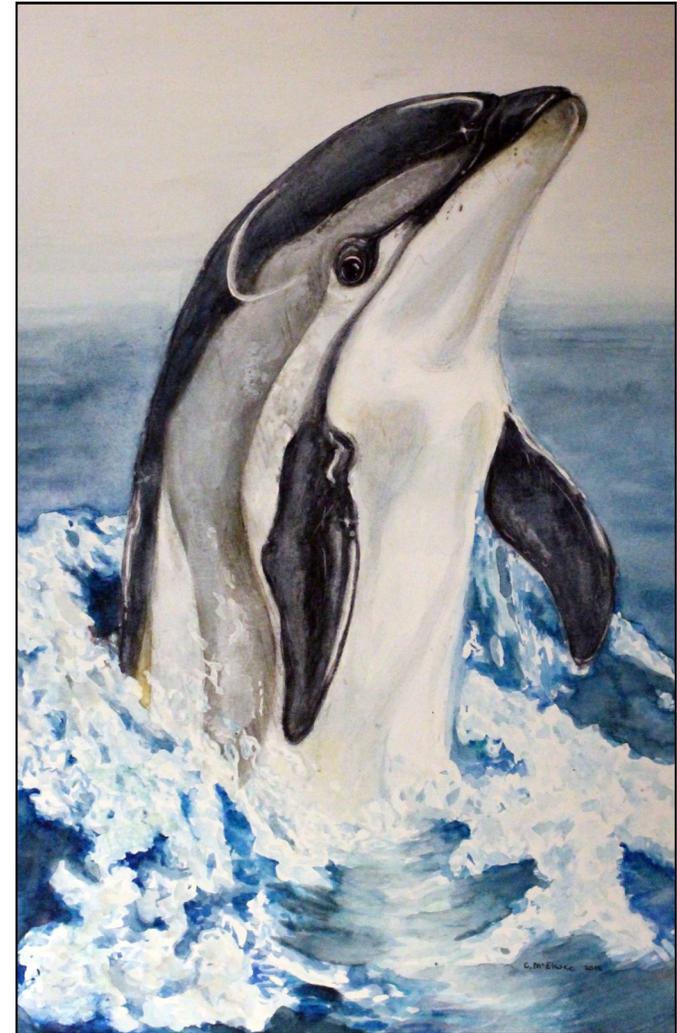


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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## JUNE 2016

SUN	MON	TUE	WED	THU	FRI	SAT
			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>		



(Above) *Atlantic White-sided Dolphin* by Claire M., gr. 8, Jonas Clarke Middle School, Lexington



**MIDDLE SCHOOL DIVISION (left to right):**

*Red-gilled Nudibranch* by Jamin S., gr. 6, Jonas Clarke MS, Lexington; *Sea Turtles and Jelly* by William D., gr. 8, Central Tree MS, Rutland; *Bluefin Tuna* by Nathaniel N., gr. 6, Plymouth South MS; *Atlantic Puffin* by Naaz T., gr.7, Marshall Simond MS, Burlington.

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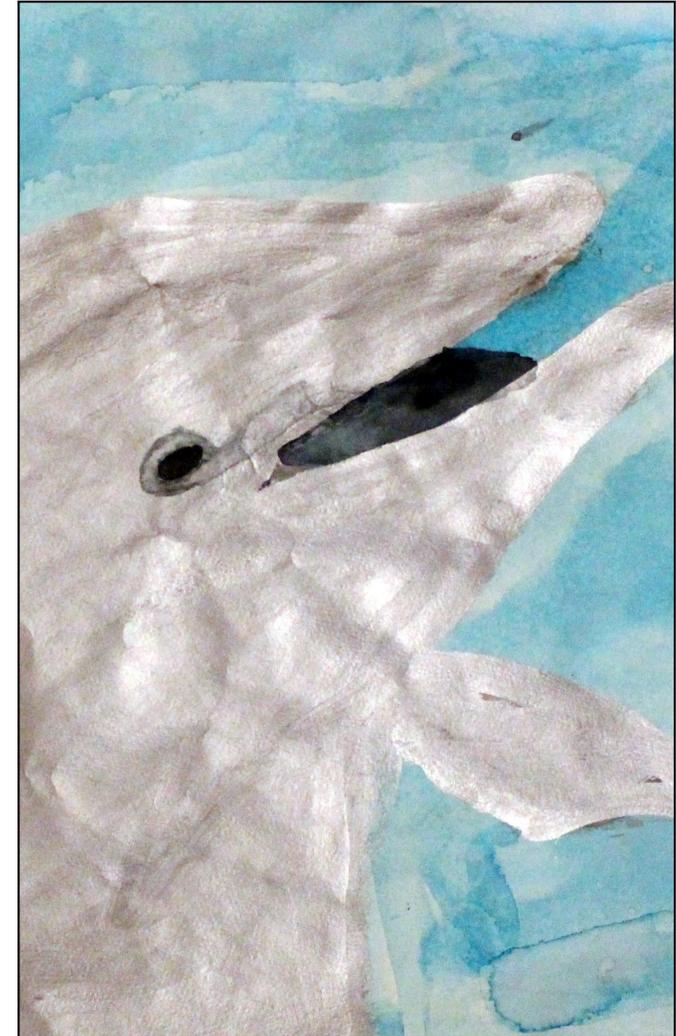


Winning art from the  
 2015 MME Marine Art Contest

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## JULY 2016

SUN	MON	TUE	WED	THU	FRI	SAT
					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>31</b>						



(Above) *Common Dolphin* by Nicole L., gr. 2, Beachmont Veterans Memorial School, Revere



**ELEMENTARY SCHOOL DIVISION** (left to right):  
*Pilot Whale* by Thomas F., gr. 2, Homeschool, Fairhaven; *Kemp's Ridley Sea Turtle* by Christopher O., gr. 2, Balmer ES, Northridge; *Sea Robin* by Eloise B., gr. 3, Teaticket ES, Falmouth; *Harbor Seal Pup* by Zachary J., gr. 4, Donahue School, Merrimac; *Octopus and Other Life* by Yuhan L., gr. 1, William H. Lincoln School, Brookline.

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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## AUGUST 2016

SUN	MON	TUE	WED	THU	FRI	SAT
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>			



(Above) *Moon Jellies* by Erik Z., gr. 8, Jonas Clarke Middle School, Lexington



**COMPUTER GRAPHICS DIVISION** (left to right):  
*Great Black-backed Gull* by Blake Stokes, gr. 10, Old Colony Reg Voc Tech HS, Rochester; *Sanctuary Scene* by Isabelle Cadene, gr. 10, Boston Latin School; *Basking Shark* by Alex Papadakis, gr. 9, Old Colony Reg Voc Tech HS; *Common Eider* by Alex Amarello, gr. 12, Old Colony Reg Voc Tech HS.

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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## SEPTEMBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
				<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	



(Above) *Sea Butterfly* by Shyauman Zhang, gr. 11, Washtenaw International High School, Canton, MI



**HIGH SCHOOL DIVISION** (left to right):  
*Bluefish & Striped Bass* by Calvin Toran-Sandlin, gr. 9, Falmouth HS; *Wolfish* by Francesca DiNicola, gr. 12, Falmouth HS; *Designer Whale* by Amanda Vitello, gr. 10, Cohasset HS; *White Shark* by Makena Rivera-Concannon, gr. 11, Plymouth South HS; *Humpback Mother & Calf* by Vito Pampalone, gr. 10, Falmouth.

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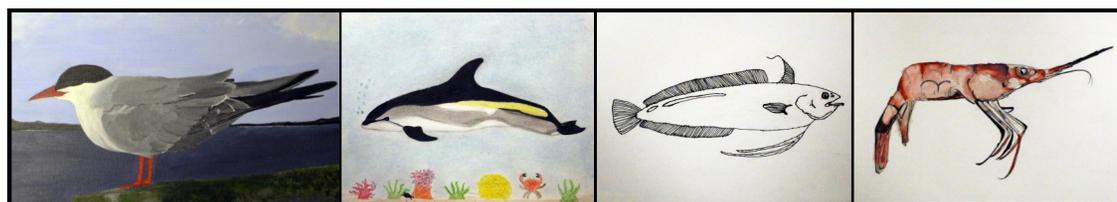
# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## OCTOBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
						<b>1</b>
<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>
<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>
<b>30</b>	<b>31</b>					



(Above) *Red Phalarope* by Kaitlin McManus, gr. 11, Falmouth High School



**SCIENTIFIC ILLUSTRATION DIVISION** (left to right):  
*Common Tern* by Brittany Vasile, gr. 12, Plymouth South HS; *Atlantic White-Sided Dolphin* by Michelle M., gr. 6, Provincetown Schools; *Red Hake* by Emmanuel M., gr. 5, Provincetown Schools; *Northern Pink Shrimp* by Taylor Dimond, gr. 12, Falmouth HS

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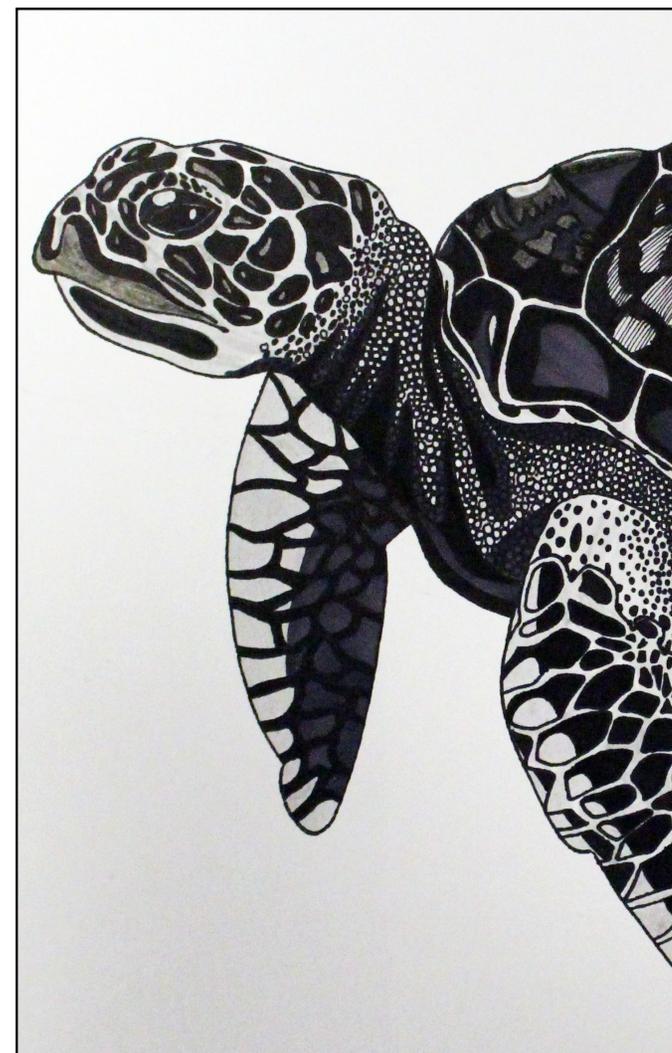


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# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## NOVEMBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>		



(Above) Green Sea Turtle by Junki B., gr. 7, Jonas Clarke Middle School, Lexington



**MIDDLE SCHOOL DIVISION** (left to right):  
*Breaching Humpback* by Evan L., gr. 7, William Dimond MS, Lexington; *Acadian Hermit Crab* by Andrew T., gr. 7, William Dimond MS; *Harbor Seal* by Stella B., gr. 7, Mashpee MS; *Razorbill* by Nicky V., gr. 6, Marshall Simond MS, Burlington; *Humpback Whale and Wilson's Storm Petrels* by Erik Z., Jonas Clarke MS.

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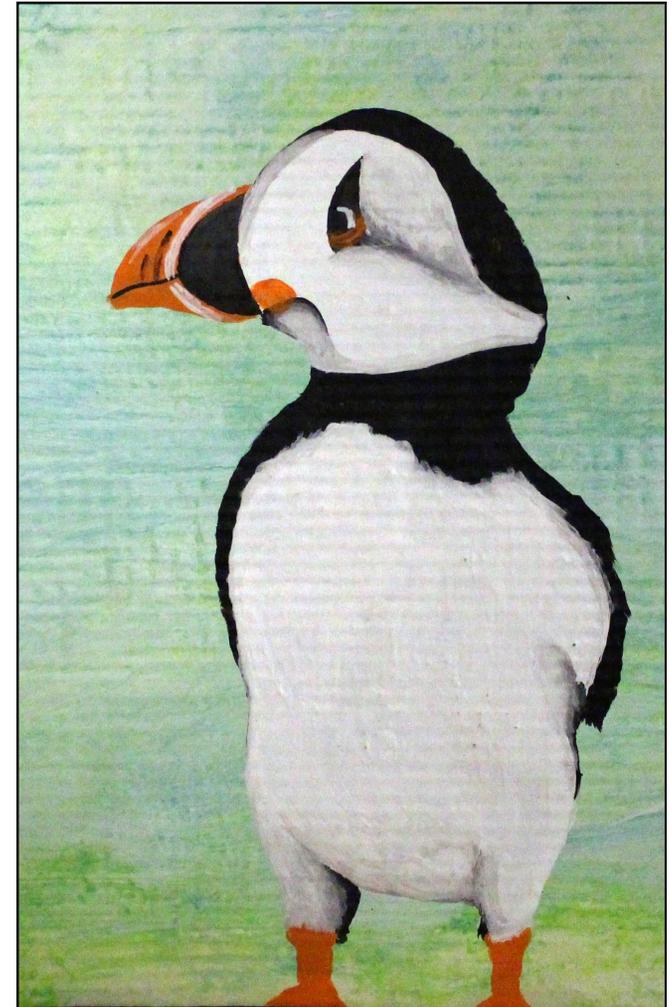


Winning art from the  
 2015 MME Marine Art Contest

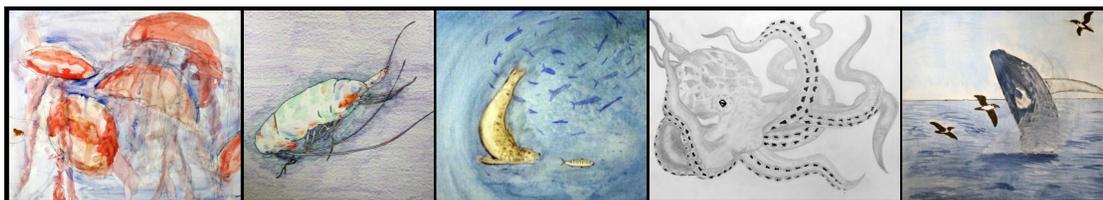
# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## DECEMBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
				<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>



(Above) *Atlantic Puffin* by Maddie Downey, gr. 11, Old Colony Regional Vocational Technical High School, Rochester



**HIGH SCHOOL DIVISION** (left to right):  
*Moon Jellies* by Julia Murphy, gr. 11, Plymouth South HS; *Pseudocalanus Copepod* by Kyle Gilmore, gr. 10, Nauset Reg HS; *Harbor Seal and Mackerel* by Breanna-rose Lamb, gr. 11, Norfolk County Agricultural HS, Walpole; *Octopus* by Meredith Davis, gr. 10, Falmouth HS; *Humpback Whale and Great Shearwaters* by Christina Livingston, gr. 9, Middle Creek HS, Apex, NC.

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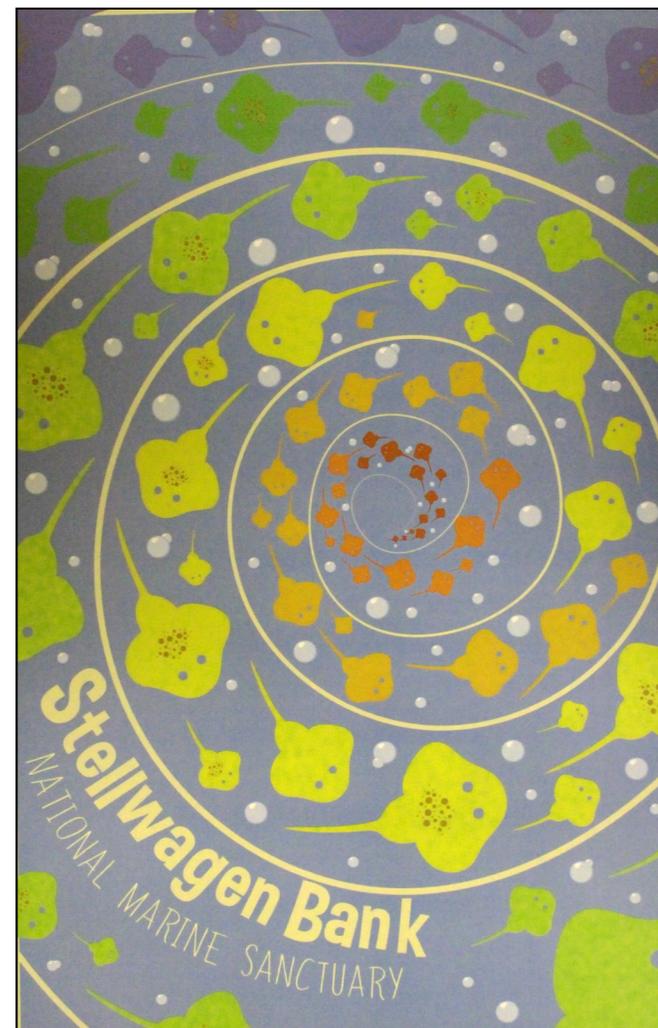


Winning art from the  
 2015 MME Marine Art Contest

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## JANUARY 2017

SUN	MON	TUE	WED	THU	FRI	SAT
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b>	<b>31</b>				



(Above) *Winter Skates* by Morgan Garcia, gr. 12, Old Colony Regional Vocational Technical High School, Rochester

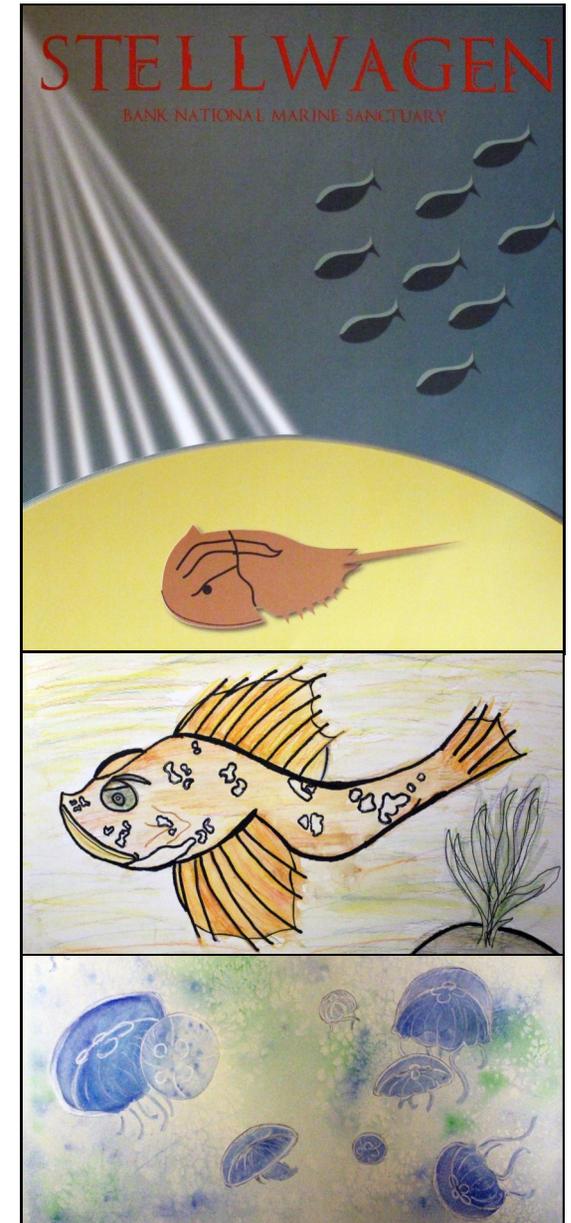


**COMPUTER GRAPHICS DIVISION** (left to right):  
*Humpback Whale* by Kaitlynn Davis, gr. 11, Norfolk County Agricultural HS, Walpole;  
*Windowpane Flounder* by Brianna Atkinson, gr. 11, Old Colony Reg Voc Tech HS;  
*Boat and Whale* by Morgan Garcia, gr. 12, Old Colony Reg Voc Tech HS;  
*Orcas* by Molly Chabot., gr. 12, Old Colony Reg Voc Tech HS.



# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

## MORE WINNING ART FROM THE 2015 MME MARINE ART CONTEST



Horseshoe Crab by Michael Russo, gr. 12; Wilmington HS; Longhorn Sculptin by Anna G., Cape Cod Lighthouse Charter School; E. Hamwich; Moon Jellyfish by Melissa Vella, gr. 11; Nauset Reg HS

(Rows, left to right, from top): Acadian Hermit Crab by Deanna Longo, gr. 11; Crab, Turtle and Other Life by Lauren W., gr. 7; Moon Snail by Hailey Gauntt, gr. 12; Lobster by Marissa LeBlanc, gr. 12; Bluefish by Sarah C., gr. 5; Atlantic Herring by Elizabeth J., gr. 7; Atlantic Cod by Gavin P., gr. 5; Harbor Seal by Mya K., gr. 8; Dolphins, Tuna and Prey by Olivia S., gr. 5; Octopus by Lauren L., gr. 5; Wolf Fish by Olivia D., gr. 7; Sea Turtle and Fish by Hannah L., gr. 5; Shark and Cod by Michael C., gr. 5; Whale Tail by Lila G., gr. 5; Two Puffins by Caroline O., gr. 5; Breaching Orcas by Aayan P., gr. 6; North Atlantic Right Whale by Riley H., gr. 5; Squid by Seth A., gr. 5; Bluefin Tuna by Brenna A., gr. 6; Blue Shark by Howard B., gr. K; Shark and Other Life by Irene K., gr. K; Northern Pink Shrimp by O'Connor P., gr. 1.

## ART CONTEST SPONSORS:

Massachusetts Marine Educators  
New England Aquarium  
Ocean Genome Legacy Center/Northeastern Univ.  
Provincetown Center for Coastal Studies  
Stellwagen Bank National Marine Sanctuary  
Whale and Dolphin Conservation

### For more information:

<http://www.massmarineeducators.org>

<http://stellwagen.noaa.gov>

Email: [anne.smraina@noaa.gov](mailto:anne.smraina@noaa.gov)

Massachusetts Marine Educators and co-sponsors invite students to participate in the 2016 Marine Art Contest. The theme is “*Marine Biodiversity of Stellwagen Bank National Marine Sanctuary: Celebrating the amazing ocean creatures of New England’s national marine sanctuary.*”

### REQUIREMENTS:

- Make sure that all artwork depicts species that are found in Stellwagen Bank National Marine Sanctuary/Gulf of Maine.
- Entries should be no smaller than 8”x10” and no larger than 18”x24”.
- White, non-glossy paper is recommended — please do NOT laminate and try to keep artwork flat and avoid folding.
- Label each entry on the back with student’s name, age, grade, school, school address, school phone number, teacher’s name and teacher’s email address or use the official entry form. On a separate line write the name(s) of the animal(s) illustrated in the artwork.
- For individual entries (not associated with a school program) include home address/email/phone for correspondence purposes.
- DEADLINE — Friday, April 29, 2016  
Deliver by 5pm to: MME Marine Art Contest  
c/o Stellwagen Bank National Marine Sanctuary  
175 Edward Foster Road, Scituate, MA 02066  
or postmark (1st class mail) by deadline date.

# 2016 MARINE ART CONTEST



## MARINE BIODIVERSITY OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

DEADLINE: APRIL 29, 2016

### DIVISIONS:

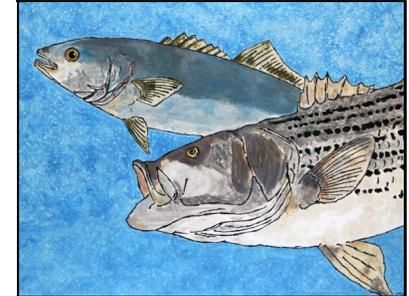
- Elementary School — Grades K-4
- Middle School — Grades 5-8
- High School — Grades 9-12
- Scientific Illustration — All Grades
- Computer Graphics & Photography — All Grades

### PRIZES:

- 1ST Place: \$50 cash award, 4 NE Aquarium passes, certificate.
- 2nd Place: \$30 cash award, 2 NE Aquarium passes, certificate.
- 3rd Place: \$15 cash award, 2 NE Aquarium passes, certificate.
- 4th-6th Places: certificate.

JUDGES’ CHOICE AWARDS (\$20 each) - recognizing creativity in style, expertise in artistic technique or unique subject of study:

- MME/Joseph McQuade Memorial Award for Seabird Art
- Whale and Dolphin Conservation Award for Marine Mammal Art
- New England Aquarium Award for Fish Art
- Ocean Genome Legacy Awards for Phytoplankton and Zooplankton Art
- Center for Coastal Studies Award for Sea Turtle or Invertebrate Art
- Stellwagen Bank National Marine Sanctuary Award for Invertebrate Art



(left column from top) Rock Crab by William H., gr. K; Sea Robin by Eloise B., gr. 3; Red-Gilled Nudibranch by Jamin S., gr. 6; Common Eider by Alex Amarello, gr. 12. (Right column from top) Humpback Whale by Alex Davs, gr. 11; Green Sea Turtle by Junki B., gr. 7; Squid by John Moga, gr. 11; Pseudocalanus Copepod by Kyle Gilmore, gr. 10.

# ENTRY FORM 2016 MME MARINE ART CONTEST



Marine Biodiversity of Stellwagen Bank  
National Marine Sanctuary

**DEADLINE: APRIL 29, 2016**

## Sponsors:

Massachusetts Marine Educators  
New England Aquarium  
Ocean Genome Legacy Center at Northeastern Univ.  
Provincetown Center for Coastal Studies  
Stellwagen Bank National Marine Sanctuary  
Whale and Dolphin Conservation

## Send entries to:

MME Marine Art Contest  
c/o Anne Smrcina  
Stellwagen Bank National Marine Sanctuary  
175 Edward Foster Road  
Scituate, MA 02066

Submission of this entry gives the sponsoring organizations all rights to use the artwork for non-commercial purposes, in products that serve as fundraisers for the nonprofit sponsors and to promote and publicize the contest and traveling exhibition of winning art. Any use of artwork will be accompanied by credit to the student and school. Credit for high school art will include the student's full name. For grades K-8, students will be identified by school and first name/last initial only. All winning artwork and honorable mentions will be posted on the sanctuary website (selected artwork will also be posted to the MME website). Sponsors will attempt to return all artwork in a timely fashion. Personal information on this form will be kept securely and not released to any outside individual or organization.

For information:

call 781-545-8026 ext. 204; email [anne.smrcina@noaa.gov](mailto:anne.smrcina@noaa.gov)

FOR STUDENTS ENTERING THROUGH THEIR SCHOOLS:

Student Name: \_\_\_\_\_

Age: \_\_\_\_\_ Grade: \_\_\_\_\_

School: \_\_\_\_\_

Teacher's Name: \_\_\_\_\_

Teacher's E-Mail: \_\_\_\_\_

School Address: \_\_\_\_\_  
\_\_\_\_\_

School Phone Number: \_\_\_\_\_

Name(s) of animal(s) pictured in artwork: \_\_\_\_\_  
\_\_\_\_\_

Scientific names of species (optional): \_\_\_\_\_  
\_\_\_\_\_

FOR HOMESCHOOL OR INDIVIDUAL ENTRIES:

Student Name: \_\_\_\_\_

Age: \_\_\_\_\_ Grade: \_\_\_\_\_ Homeschool: [ ] Individual Entry: [ ]

School: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

Parent/Guardian E-Mail: \_\_\_\_\_

Home Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

Parent/Guardian Phone Number: \_\_\_\_\_

Name(s) of animal(s) pictured in artwork: \_\_\_\_\_  
\_\_\_\_\_

Scientific names of species (optional): \_\_\_\_\_  
\_\_\_\_\_

# AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY Species List



## PHYTOPLANKTON

Diatoms  
Dinoflagellates

## ZOOPLANKTON

Arthropods – Copepods and other drifting crustaceans  
Chaetognaths – Arrow worms  
Cnidarians – Jellyfish  
Ctenophores – Comb jellies  
Mollusks – Pteropods (sea butterflies)  
Larval fish and invertebrates

## INVERTEBRATES

Sponges  
Finger sponge  
Breadcrumb sponge  
Chalice sponge  
Cnidarians  
Frisled anemone  
Northern red anemone  
Northern cerianthid  
Soft coral  
Solitary hydroid  
Bryozoans  
Mollusks  
Ocean quahog  
Northern horse mussel  
Sea scallop  
Northern moon snail  
Red-gilled nudibranch  
Short- and Long-finned squid  
Atlantic octopus  
Annelids (segmented worms)  
Brachiopods (lamp shells)  
Arthropods  
Rough barnacle  
Acadian hermit crab  
Jonah crab  
Northern lobster  
Northern pink shrimp  
Sand shrimp

## Invertebrates (continued)

Echinoderms  
Asterias sea star  
Spiny and Smooth sunstars  
Horse and Badge stars  
Blood sea star  
Daisy brittle star  
Northern basket star  
Orange footed cucumber  
Scarlet psolus  
Common sand dollar  
Green sea urchin  
Tunicates  
Stalked sea squirt (Boltenia)  
Sea vase and Sea peach

## SEA TURTLES

Kemp's ridley sea turtle (E)  
Leatherback sea turtle (E)  
Loggerhead sea turtle (T)  
Green sea turtle (E)

*This is only a partial list of sanctuary species. A complete list of sanctuary marine life (culled from published scientific papers) can be found in Appendix J of the 2010 Final Management Plan and Environmental Assessment for Stellwagen Bank National Marine Sanctuary, available online at <http://stellwagen.noaa.gov>.*

(T) - Threatened (E) - Endangered

## FISHES

Sharks  
Thresher shark  
Blue shark  
Shortfin mako shark  
White shark  
Porbeagle  
Basking shark  
Spiny dogfish  
Skates  
Winter skate  
Little skate  
Barndoor skate  
Thorny skate  
Small, Schooling Prey Fish  
American sand lance  
Atlantic herring  
Atlantic mackerel  
Atlantic menhaden  
Butterfish  
Flounders  
Atlantic halibut  
American plaice  
Four spot flounder  
Windowpane flounder  
Winter flounder  
Witch flounder  
Yellowtail flounder  
Gadids (cod family)  
Atlantic cod  
Cusk  
Haddock  
Pollock  
Red hake  
White hake  
Silver hake (Whiting)  
Silvery Swimmers (pelagic)  
Atlantic salmon  
Bluefish  
Bluefin tuna  
Striped bass

## Fishes (continued)

Demersal Dwellers (seafloor)  
Atlantic wolffish  
Sea raven  
Ocean pout  
Acadian redfish  
Longhorn sculpin  
Shorthorn sculpin  
Grubby  
Northern sea robin  
Cunner  
Black sea bass  
Goosefish (Monkfish)  
Snakeblenny  
Radiated shanney  
Fourbeard rockling  
Unusual Shape  
Ocean sunfish (*Mola mola*)  
Pipefish  
Hagfish  
Lumpfish

## MARINE MAMMALS

Baleen Whales  
Blue whale (E)  
Fin whale (E)  
North Atlantic right whale (E)  
Humpback whale (E)  
Sei whale (E)  
Minke whale  
Toothed Whales  
Sperm whale (E)  
Orca (Killer whale)  
Long-finned pilot whale  
Atlantic white-sided dolphin  
Atlantic white-beaked dolphin  
Common dolphin  
Harbor porpoise  
Seals  
Harbor seal  
Gray seal  
Harp, hooded and ringed seals

## SEABIRDS

Alcids  
Razorbill  
Dovekie  
Atlantic puffin  
Common murre  
Black guillemot  
Gulls, Terns and Gannets  
Herring gull  
Great black-backed gull  
Laughing gull  
Bonaparte's gull  
Ring-billed gull  
Iceland gull  
Glaucous gull  
Black-legged kittiwake  
Least tern  
Roseate tern  
Common tern  
Arctic tern  
Northern gannet  
Sea Ducks, Loons, Cormorants  
Common eider  
Atlantic brant  
Great skua  
Surf scoter  
Common loon  
Great cormorant  
Double-breasted cormorant  
Shearwaters and Petrels  
Greater shearwater  
Sooty shearwater  
Manx shearwater  
Wilson's storm petrel  
Leach's storm petrel  
Fulmars, Jaegers, Phalaropes  
Northern fulmar  
Parasitic jaeger  
Pomarine jaeger  
Red-necked phalarope  
Red phalarope