



**BROWARD  
CENTER**  
*— for the —*  
**PERFORMING ARTS  
EDUCATION PROGRAMS**



STUDENT ENRICHMENT THROUGH THE ARTS



# South Florida Symphony Orchestra Preserving our Coral Reefs

## CURRICULUM CONNECTIONS



Support for the Student Enrichment Through the Arts program has been provided by the following Funds at the Community Foundation of Broward:

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**COMMUNITY  
FOUNDATION  
OF BROWARD**

# South Florida Symphony Orchestra Preserving our Coral Reefs

## How to use Curriculum Connections:

Dear Teacher,

We appreciate you!

This guide can help in your classroom, whether before or after coming to see a play or musical it can be used to highlight important concepts. The curriculum connections introduced by the Broward Center for the Performing Arts are always aligned to the Florida Standards with the idea that they introduce another tool to effectively implement engaging methods to bring the page to the stage.

Curriculum Connections improve comprehension, help students organize information, and assist students' metacognition by enabling students to check for understanding. It is designed to be used before or after coming to the theater unless otherwise stated and may contain activities for certain grade levels (this will be clearly labeled).

Curriculum Connections will always contain a reminder of theater etiquette as well as a social emotional learning activity, and a Student-Family Cooperative Activity. The activities may be re-printed for individual use, used on smart boards as class activities, or in groups. It is suggested to discuss the play or musical as a class before your field trip.

Remember to follow us on Facebook and Instagram @Broward Center Education and use the QR code (below) for our Teacher's Lounge to receive insight about discounted tickets and information for you and your students!





# Theater etiquette

It is often helpful to remind students of appropriate audience etiquette by explaining and discussing WHY these rules of behavior are important:

- Restroom visits are best made prior to the performance.
- Listen carefully to the ushers and your teachers. This gets everyone to your seats quickly and ensures a pleasant experience.
- Turn watches and cell phones to silent.
- Walk single file, hold hand rails as you use the steps for your safety.
- Listen carefully to each performer. They are working hard to entertain and inform with lots of clues about the story.
- Refrain from TALKING. This allows everyone to enjoy the show without distraction. Sometimes we think that if we whisper it is okay. But, if everyone in the audience whispers, it becomes disruptive.
- Laugh if something is funny, but not too loudly, you don't want to miss any dialogue.
- Photography and recording are not permitted.
- Pay attention to the lighting, scenery, costumes and music—all of these elements help provide more details to tell the story in an interesting way.
- Applaud (clap) at the end. This shows the performers that you respect and appreciate their work.

# South Florida Symphony Orchestra Preserving Our Coral Reefs Synopsis:



Music, visual art, participation, and beautiful media introduce students to the exciting STEAM careers that can save our planet and the teamwork that creates success in the reef and beyond!

Our blue Earth is 71% water; 95% is in our oceans.

The ocean and its inhabitants is like a symphony of individuals, each with their role, working together for balance and beauty. One of the most important parts of the ocean is the coral reef, which is the rainforests of the ocean! Although only 1% of the ocean, coral reefs support over 25% of all marine life on earth. Without the coral reefs, every form of marine life on earth is threatened with loss of habitat, food, and even extinction.

In this STEAM and arts-integrated program, students, costumed as scientists, technologists, engineers, media, artists and mathematicians, are coached by the artists to state their roles in rebuilding the reef and more as the indicator species that reveal that the reef is rebuilt and healthy! The emotional connection of science and the arts helps students see their role in preserving their world!



# FLORIDA'S CORAL REEF'S FACT FILE

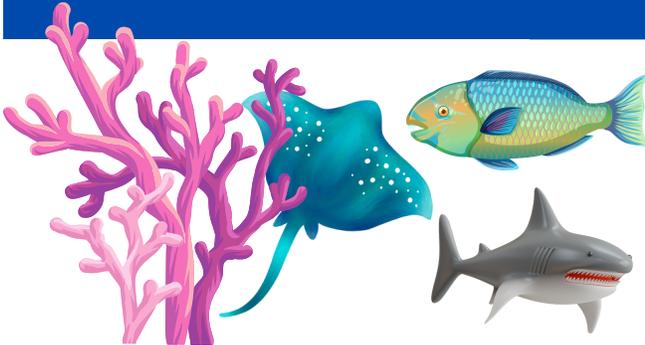
Roughly two-thirds of Florida's Coral Reef lies within Biscayne National Park and the Florida Keys National Marine Sanctuary, a marine protected area that surrounds the Florida Keys island chain.



- Sombrero Reef. 489. Reefs.
- Spiegel Grove. 535. Reefs
- Vandenberg Wreck.
- Alligator Reef Light House.
- Grecian Rocks.
- Coffins Patch. Reefs.
- North Dry Rocks. Reefs.
- Key Largo Undersea Park. Reefs



## LIFE ON THE REEF



- More than 45 species of stony corals and 35 species of octocorals are found along Florida's Coral Reef.
- Almost 1,400 species of marine plants and animals, including more than 40 species of stony corals and 500 species of fish, live on the Florida Reef.

## THREATS

- Increased ocean temperatures
- Pollution
- Climate Change
- Stony Coral tissue loss disease



## FORMATION

Florida's Coral Reef came into existence 10,000 years ago when sea levels rose following the last Ice Age.

Reef growth is relatively slow; individual colonies grow only one-half inch to seven inches a year, depending on the species.



# Preserving our Coral Reefs

Reefs are home to thousands of creatures, including birds, sharks, soft and hard corals, jellyfish, crabs, turtles, worms, fish, and many types of fish.

Reefs are home to a great diversity of living things, but changes in the environment can affect their survival.

The biggest threats to reefs include increased ocean temperatures as a result of climate change, pollution, overfishing, and disease.

**1** Name a unique feature of a reef: \_\_\_\_\_  
\_\_\_\_\_

**2** List four (4) threats to reefs:  
⊙ \_\_\_\_\_ ⊙ \_\_\_\_\_  
⊙ \_\_\_\_\_ ⊙ \_\_\_\_\_

**3** Why is it important to preserve our reefs?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4** How can reefs use tourism to help protect them for future generations?  
\_\_\_\_\_  
\_\_\_\_\_

# Preserving our Coral Reefs: Creative Writing



**Describe the image using the senses listed below:**



I see... \_\_\_\_\_  
\_\_\_\_\_



I feel... \_\_\_\_\_  
\_\_\_\_\_



I smell... \_\_\_\_\_  
\_\_\_\_\_



I hear... \_\_\_\_\_  
\_\_\_\_\_

**Write at least two sentences to describe the image using some of the senses above, and include at least two adverbs or adjectives:**

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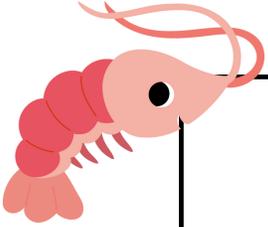
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# Preserving Our Coral Reefs

## Sea Animals Word Scramble

Unscramble the words.



ihsf

\_\_\_\_\_

yleljihfs

\_\_\_\_\_

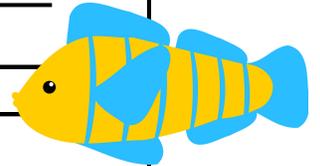


ctouosp

\_\_\_\_\_

rsihmp

\_\_\_\_\_

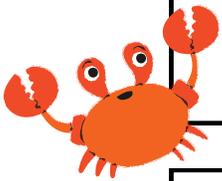


askhr

\_\_\_\_\_

idoplhn

\_\_\_\_\_



lsobtre

\_\_\_\_\_

tshriafs

\_\_\_\_\_

eahwl

\_\_\_\_\_

arbc

\_\_\_\_\_

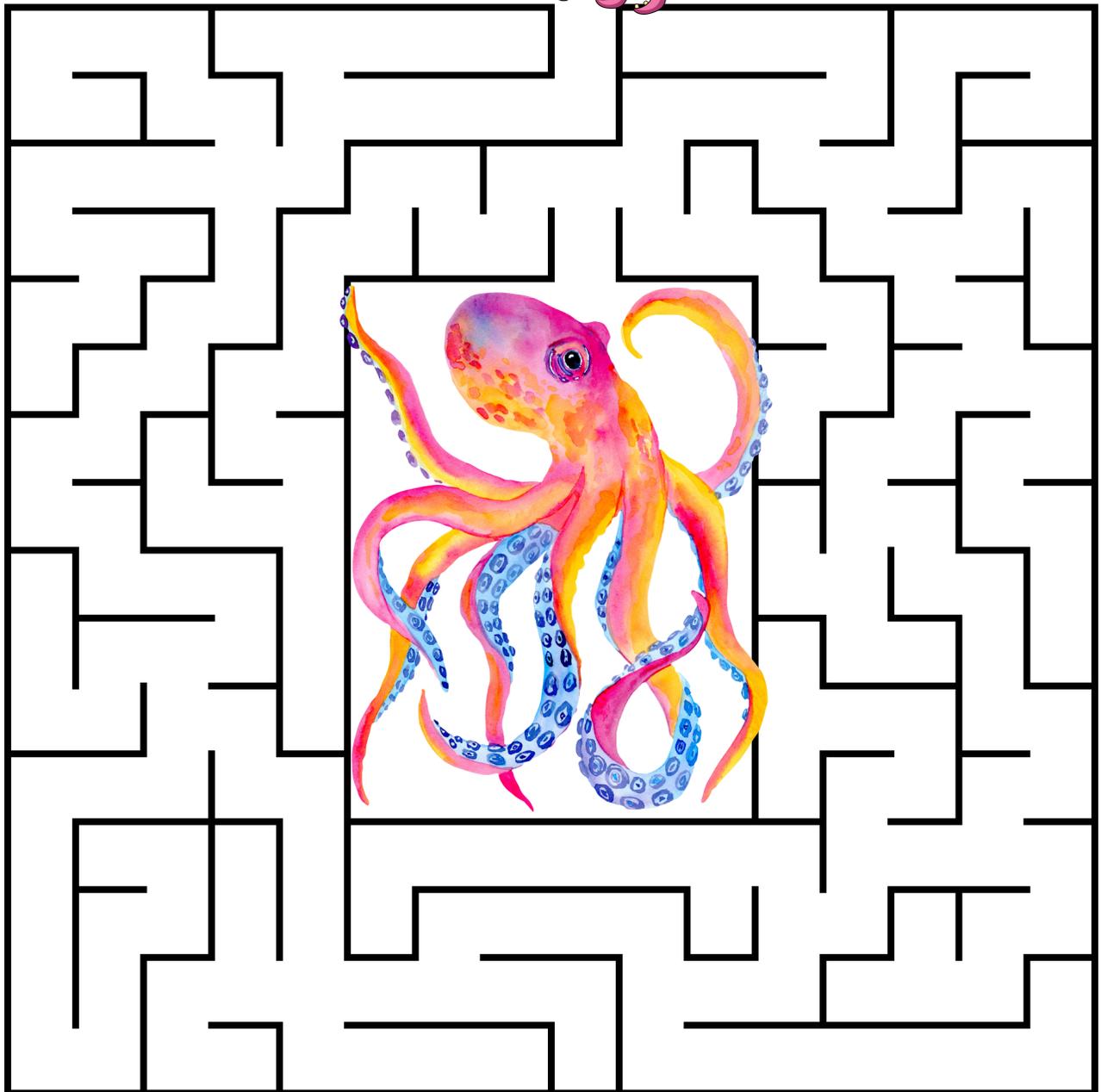


# Preserving our Coral Reefs

## OCTO-MAZE

Help the octopus find his friend.

Start

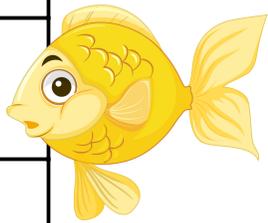


# Preserving our Coral Reefs

## UNDER THE SEA

### WORD SEARCH

T	U	R	T	L	E	S	I	D
J	O	C	T	O	P	U	S	O
D	S	R	E	E	F	L	H	L
I	L	A	R	O	C	L	A	P
U	J	B	K	Y	E	E	R	H
Q	W	H	A	L	E	H	K	I
S	T	A	R	F	I	S	H	N
J	E	L	L	Y	F	I	S	H



OCTOPUS



STARFISH

JELLYFISH

SHELL

CRAB

DOLPHIN

SQUID

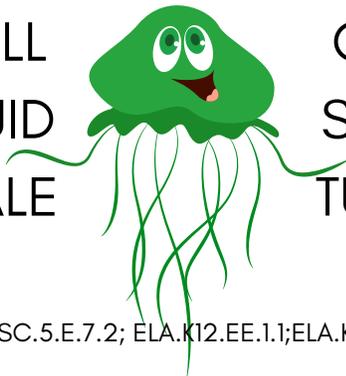
SHARK

CORAL

WHALE

TURTLE

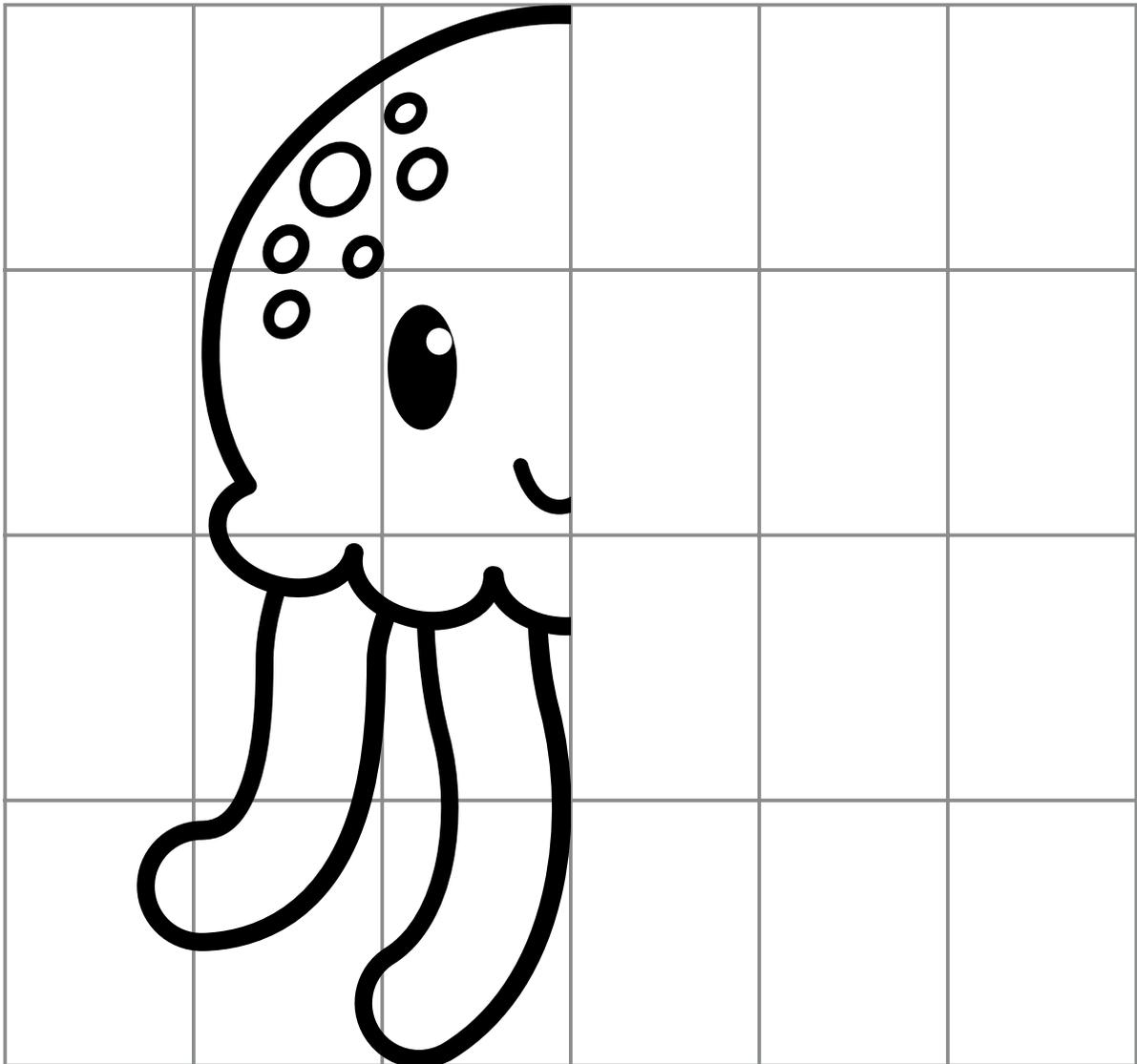
REEF



# Preserving our Coral Reefs

## FISH SYMMETRY

Complete the picture by drawing the other half.



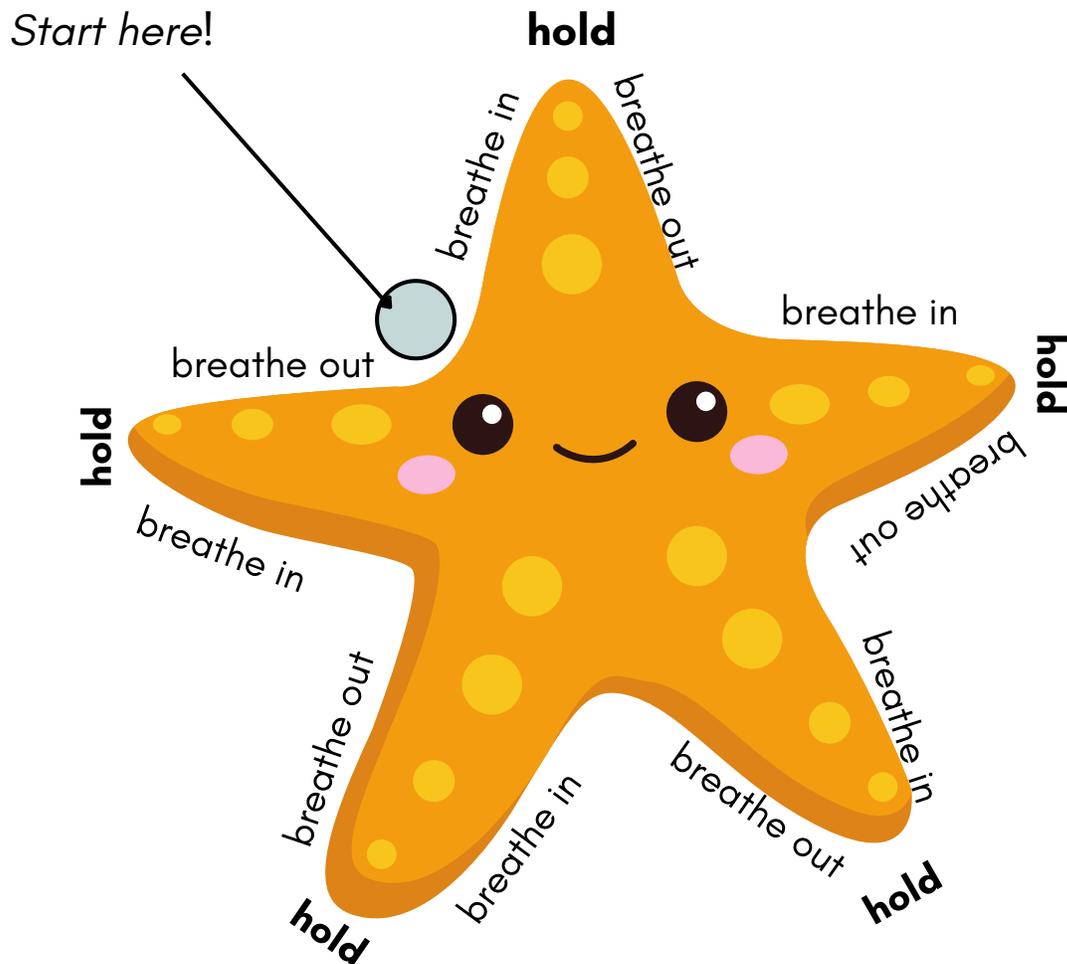
# Preserving Our Coral Reefs

## SEL

### CONTROLLED

### breathing

Starting on the dot, follow the prompts while you trace your finger around the star in a clockwise direction.

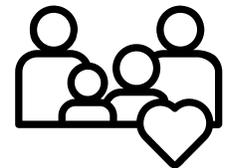


Repeat this process a few times nice and slow!

# K-5 Student to Family Cooperative Activity Ideas:

- Create a home theater space: Dedicate a specific area in your home as a temporary theater space. It can be anywhere with a little bit of space to "put on a show". Create a cozy ambiance with lighting and comfortable seating.
- Create tickets and programs: Design and print them at home or even hand made. Deliver the tickets to family members, and the programs can include information about the performance, cast, and crew. This adds a touch of authenticity and excitement.
- Snack bar and concessions: Set up a snack bar or concessions stand with a variety of treats and refreshments. You can even create special themed snacks related to the performance you are watching.
- Interactive viewing experience: Encourage audience participation during the performance. For example, during a musical, you can sing along to the songs and clap during applause-worthy moments!
- Post-show discussions: After the performance, have a family discussion about the show. Share your thoughts, favorite moments, and discuss the themes or lessons portrayed. This can foster critical thinking and encourage creativity in your kids.
- **Remember, the goal is to create a memorable and immersive experience. Adapt these ideas based on your family's preferences and the resources available to you. The key is to have fun and enjoy the theater experience in your digs!**

## Additional Activity Ideas:



- Memory jars: Create a memory jar with your children. Write down favorite childhood memories on small pieces of paper and put them in a jar. Each week or month, take turns pulling out a memory and sharing it. This can spark conversations and lead to further discussions about your childhood experiences, and theirs too!
- Bedtime stories: Instead of reading traditional bedtime stories, take turns sharing personal stories from your childhood. These could be tales of adventure, funny incidents, or heartwarming experiences. This can create a strong bond between you and your children as you share personal narratives.
- Encourage your kids to create their own journals or scrapbooks to document their childhood memories. Take the opportunity to share your childhood stories as you help them with their own projects. You can even contribute by adding some of your own stories or mementos to their journals.
- What was your favorite song, band or genre growing up? Play a few songs for your child/children and let them play a few of their favorites for you!
- Create traditions with your child/children!: Establish special rituals or traditions that you can share. It could be a weekly movie night, cooking together on weekends, going for a walk after dinner, or singing at the top of your lungs before bedtime.

## Standards Alignment: SFSO Exploring the Coral Reefs

**Standards Alignment:** The activities in this guide are aligned with the standards listed below. When teachers incorporate the arts, they increase student engagement, offer multiple points for students to access the curriculum, and provide alternate means for students to demonstrate what they know.

Florida's Benchmarks for Excellent Student Thinking (B.E.S.T.)/NGSSS	
<b>Kindergarten through Grade 12/ English Language Arts</b>	
ELA.K12.EE.1.1	Cite evidence to explain and justify reasoning.
ELA.K12.EE.2.1	Read and comprehend grade-level complex texts proficiently.
ELA.K12.EE.3.1	Make inferences to support comprehension.
ELA.K12.EE.4.1	Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations.
ELA.K12.EE.5.1	Use the accepted rules governing a specific format to create quality work.
ELA.K12.EE.6.1	Use appropriate voice and tone when speaking or writing.
<b>Next Generation Sunshine State Standards/Science</b>	
SS.2.G.1.3	Label on a map or globe the continents, oceans, Equator, Prime Meridian, North and South Pole.
SS.3.G.1.3	Label the continents and oceans on a world map.
SC.5.E.7.2	Recognize that the ocean is an integral part of the water cycle and is connected to all of Earth's water reservoirs via evaporation and precipitation processes.

# New:

Each time you submit student work,  
your name is entered in a drawing  
for tickets to a show  
at the Broward Center:

Fall Show: **HADESTOWN**

Spring Show: **MRS. DOUBTFIRE**

Dear Teachers,

Thank you for your continued support of the SEAS Program. We value the preparation you make before the show to attend the Broward Center for the Performing Arts, and the introduction you forge for the students when the show has concluded to continue making connections long after the buses have returned to school!

If you'd like to share any of the work from the study guides, please use this link:

Click Here to Upload Student Work Samples:

**<https://tinyurl.com/SEAS2324-samples>**



Should you have any questions, please contact  
Lauri Foster at: <mailto:lauri.foster@browardschools.com>

