Dear Teachers,

We are looking forward to having you and your students here in May for the performances of *The Ugly Duckling and The Tortoise and the Hare*. Many of you may remember that we had this piece here a few years ago and the K-2nd graders seemed to love it. We are happy to have Litewire Theatre back again.

We hope this teacher’s guide and the student’s two-sided guide help to enhance and extend the experience of attending *The Ugly Duckling and The Tortoise and the Hare* for you and your students. The guide was created by the Lied Center, USD497 teachers Lysette DeBoard and Coleen Martin, who pulled together some great lesson plans for you and your students, and the Paramount Theatre in Austin, TX.

**About the Artists - Corbian Visual Arts and Dance/Lightwire Theatre**

The show’s creators Ian Carney and Corbin Popp met while dancing in Twyla Tharp’s Broadway show *Movin’ Out*. Becoming fast friends through their mutual love of art, theater and technology, Corbin showed Ian a product called EL wire and their creative partnership took off. EL wire is electroluminescent wire powered by batteries and is used mostly to illuminate walkways, signs and instrument panels on cars. Carney and Popp quickly built rudimentary versions of the two main characters, Professor Henslow and Darwin. Then, with the help of their wives, Eleanor Carney and Whitney Popp (who are also dancers), they began to build the rest of their puppetry-based creatures and flesh out the original story.

Relocating from New York City to New Orleans they continued the creative process. It was here, in the Katrina ravaged city, that the show began to take shape. The result, after years of engineering and development is *Darwin the Dinosaur*. Truly unique and visually dazzling, Darwin, recipient of the prestigious Jim Henson Foundation Grant, is an innovative theatrical experience lauded by audiences and critics all over the Americas and Europe. The Lied Center presented *Darwin the Dinosaur* in 2010. Ian and Eleanor Carney founded Lightwire Theater and, in conjunction with Corbian Visual Arts and Dance, began pre-production on their first project, *The Ugly Duckling and The Tortoise and the Hare*, in January, 2011. Using Corbian’s signature electroluminescent puppetry, Lightwire Theater successfully adapted the two classic tales for the stage!

This online guide can be accessed at [www.lied.ku.edu/events/uglyduckling.shtml](http://www.lied.ku.edu/events/uglyduckling.shtml) or on the USD497 Blackboard site.
Lesson Plan: Tortoise & Hare Bubble Maps

**Instructional Outcome:** Students will use adjectives to describe a tortoise and a hare (separately).

**Procedure:**
1. Before reading the story *The Tortoise and the Hare*, ask students to think about the things that make a tortoise a tortoise (e.g. a shell, 4 legs, eats vegetables, etc.). Then ask students to think about the things that make a hare a hare (e.g. furry, 4 legs, runs or hops, moves fast, etc.).
2. Then, ask the class to take those ideas and put them on the bubble map for each animal. For Kindergarten, work as a class activity. For 1st grade, work in partners. For 2nd grade, work individually.
3. After the Bubble Maps have been completed, read the story *The Tortoise and the Hare* to the class.
4. When the story is over, ask the class if any of the words on their Bubble Maps would have to be changed if they were to complete the Bubble Maps after reading the story. Allow them to discuss either as a class or with a partner.
5. Extension: Allow students to use a different colored pencils/markers to add or change words on the Bubble Maps to reflect the story of *The Tortoise and the Hare*.
6. Extension: Allow students to rewrite the story or to write a background story for one of the characters.

**Materials/Resources:**
1. Bubble Maps for Tortoise and/or Hare
2. Storybook *The Tortoise and the Hare*

**Previous Student Knowledge Required:**
1. They need to have seen and/or have a basic knowledge of what a tortoise and a hare are.

**Accommodations Needed:**
Determined by classroom teacher, specific to his/her classroom.

**Teacher Assessment:** Assess accuracy of student work on the bubble maps.

**Student Assessment:** Discussion with peers about vocabulary used on the bubble maps.
Name: ____________________

Describe a Tortoise

Fill in the bubble map with words that describe (or tell about) a tortoise.
Name: ____________________

Describe a Hare

Fill in the bubble map with words that describe (or tell about) a hare.
Lesson Plan: The Ugly Duckling

Instructional Outcome: Students will compare and contrast a duck and a swan using a Venn diagram.

Procedure:
1. Before reading the story The Ugly Duckling, ask students to think about the things that make a duck a duck (e.g. swims, quacks, feathers, etc.). Then ask students to think about the things that make a swan a swan (e.g. swims, honks, feathers, etc.).
2. Discuss with the class how ducks and swans are both similar and different.
3. Then, ask the class to take those ideas and put them on the Venn diagram. For Kindergarten, work as a class activity. For 1st grade, work in partners. For 2nd grade, work individually.
4. After the Venn diagram has been completed, read the story The Ugly Duckling to the class.
5. When the story is over, ask the class if any of the words on their Venn diagram would have to be changed if they were to complete the Venn diagram after reading the story. Allow them to discuss either as a class or with a partner.
6. Extension: Allow students to use a different colored pencils/markers to add or change words on the Venn diagram to reflect the story of The Ugly Duckling.
7. Extension: Allow students to rewrite the story or to write a “future” story for one of the characters.

Materials/Resources:
1. Copies of the Venn Diagram
2. Storybook The Ugly Duckling

Previous Student Knowledge Required:
1. Students need to have seen and/or have a basic knowledge of what a swan and a duck are.

Accommodations Needed:
Determined by classroom teacher, specific to his/her classroom.

Teacher Assessment: Assess accuracy of student work on the Venn diagram.
Student Assessment: Discussion with peers about vocabulary used in the Venn diagram.
Lesson Plan: Tortoise and the Hare Race

Instructional Outcome: Students will measure and graph data based upon 10 races.

Procedure:
1. Cut out and tape on the tortoise and hare images to the top of 2 Matchbox Cars. (1 set needed per group)
2. Cut out and tape the starting line to a hard surface floor for the starting line of the racing area. (1 starting line per group)
3. One worksheet per student or student group.
4. Tape a small block, or another item to the bottom of the incline board on one side to help create a slight angle for cars to roll from. Turn the board over and tape the incline board side to the edge at the starting line (this will help to keep it from slipping during the races)
5. Have students line the two cars up on the slight incline of the board and at the count of three they can let the two cars go at once. Let cars roll until they stop.
6. Have students fill out the graphing side of the worksheet by first coloring a space for which character won the race.
7. Have students use the meter stick or measuring tape to measure the distance from the start line for both characters and record this information on the spaces provided on the worksheet.
8. Repeat race steps 9 more times for a total of 10 data points/races.

Extension: Reduce or increase the angle of the incline to see how the distance is affected by repeating racing 1-10.

Materials/Resources:
- The Great Race Worksheets
- Meter stick or tape measure
- Tape for Starting Line
- 1 Incline board (per group)
- 2 Matchbox Cars (per group)
- 1 Rabbit and 1 Tortoise Image

Previous Student Knowledge Required:
- Exposure to The Tortoise and the Hare story
- Basic measurement skills (inches)
- Basic graphing

Teacher Assessment: Observation and completed worksheet by student, question for understanding.
Student Assessment: Race set up, participation, performance. Recording of data onto worksheet.
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<th>Race</th>
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</table>

How many inches did the Tortoise and Hare go in each race? Write in the inches for both each race.

Race #10: __________  __________
Race #9:  __________  __________
Race #8:  __________  __________
Race #7:  __________  __________
Race #6:  __________  __________
Race #5:  __________  __________
Race #4:  __________  __________
Race #3:  __________  __________
Race #2:  __________  __________
Race #1:  __________  __________

Graph who won for each race.
Tortoise and Hare images below used to cut out and tape to the Matchbox Cars. Only one set needed per group unless used as whole class activity or shared center activity.

START LINE
Through art, science and technology, the characters of *The Ugly Duckling* and *The Tortoise and the Hare* come to life! All of the puppets are lined with electroluminescent wire (EL wire) which glows in the dark.

1: Copper in the middle of the EL wire conducts electricity, letting it travel from one place to another.

2: A material called phosphor surrounds the copper wire. The phosphor glows when electricity runs through the wire.

3: A colored plastic tube surrounds the phosphor and copper, completing the EL.

4: When the EL wire is attached to a power source, such as a battery, it glows! A battery pack that powers the EL wires is hidden on each creature in the show.
Craft Project Ideas for
The Ugly Duckling
and
The Tortoise and The Hare
Possible Videos, Songs, Stories and Art Projects to use in teaching
The Ugly Duckling and the Tortoise and the Hare

YouTube Videos and Songs:

Lightwire Theater:
UGLY DUCKLING PROMO LIGHTWIRE THEATER (3:11)
https://www.youtube.com/watch?v=2OJL_y0H_UM

Lightwire-Theater (3:53)
https://www.youtube.com/watch?v=Jj8PCJ69ND4

Songs and Animated Stories: The Duck Song Video (3:12)
https://www.youtube.com/watch?v=MtN1YnoL46Q

Walt Disney The Ugly Duckling Movie (8:37)
https://www.youtube.com/watch?v=NMLNTIZR620

Five Little Ducks - Spring Songs for Children with Lyrics - Kids Songs by The Learning Station (3:01)
https://www.youtube.com/watch?v=XECtg0w_YKk

Walt Disney Tortoise and the Hare (8:26)
https://www.youtube.com/watch?v=MeZe2qPLPh0

The Tortoise and the Hare | Lyrics Version | Story Song for Children (2:43)
https://www.youtube.com/watch?v=OCg0f18XUyQ

Live Animal Videos: Turtle and Tortoise Differences (2:02)
https://www.youtube.com/watch?v=Qr0xIWEctyY

Ducks, Geese, and Swans swimming (babies included) (3:29)
https://www.youtube.com/watch?v=cOdxK5d1n9Y

Baby swans taking their first walk (4:57)
https://www.youtube.com/watch?v=p9ZFkOzIo3M

Baby Swans (1:04)
https://www.youtube.com/watch?v=2NElpxKT__k

A Swan Nest Hatching (4:34)
https://www.youtube.com/watch?v=qJa8Tp7xDB4

New Born Baby Ducks and Mother Duck (1:11)
https://www.youtube.com/watch?v=lgQ0uMwQS1g
Questions for Your Students

One of the best things about seeing theatre and dance is being able to have a conversation after the show. Here are some questions to think about:

1. How was the show the same or different from other versions of *The Ugly Duckling* and *The Tortoise and the Hare* you have read?

2. What was your favorite part about the play and why?

3. What did you think about the puppets? How did they help tell the story?

4. How was music used in the show? How did music help tell the story?

5. What was the moral or lesson of each story? How might you apply these lessons to your own life?

6. In *The Ugly Duckling*, the duckling gets very sad when people make fun of him for being different. What are ways you can make somebody feel better if they are feeling sad or left out?

7. In *The Tortoise and the Hare*, the tortoise wins by not giving up. What things in your life have you accomplished by not giving up?