### TALKING POINTS FOR CLASSROOM DISCUSSION:
**SUPER SCIENTIFIC CIRCUS**

#### Show & Theater Company:
- *Super Scientific Circus*

#### Art Form:
- Combines magic, circus skills, and science

#### Main Characters, Context & Concepts:

- **Characters:**
  - Mr. Fish – a long-time circus performer
  - Trent Arterberry – a mime
    - What is mime? (performing only body movements and facial expressions, but no words)
  - The main point of this show is that science is fun!! Science is the whole reason why magic and circus shows can happen, and it makes our world function the way it does.
  - In the show, we will learn:
    - How to make a boomerang
      - What’s a boomerang? (a curved, flat piece of wood that returns to the thrower after it’s thrown; it was traditionally used in Australia for hunting)
    - Why a whip “cracks”
    - How to balance a broom in the hand
    - Why bubbles are always round
    - Spinning objects and their relationship to gravity
      - What is gravity? (the force that makes things fall to the ground, but really gravity is what keeps the whole universe together because gravity actually because any two objects are attracted to each other; the more “mass” they have, the more gravity they have)
      - The force that keeps the object spinning is the same force that makes your tetherball rise up in the air as it whips around and around; it’s called *centrifugal force*! It’s what makes the person at the very end of a game of “crack the whip” go sooooo fast!
    - Different types of light
      - Light is part of the *electromagnetic spectrum*; does anyone know what types of energy are a part of the *electromagnetic spectrum*?
        - radio waves, microwaves, infrared waves, visible light, ultraviolet or UV light, x-rays, and gamma rays
        - Visible light is the only light we can see, but we use the other types of energies every single day!

#### Special things to look for:
- Are the performers having fun? How does that make you feel?
- How does the audience participation add to the show?

#### Theater Etiquette:
- Respect the theater, limit bathroom breaks, one person to a seat, do not kick the seats, no food or drink in the theater (bottled water okay), no audio, video recording or photography and remember to turn off cell phones/no texting (students and adults).
  - How is watching live theater different than watching a movie or TV? Can’t pause, rewind, or fast forward with live theater. Every sound students make and moving around can affect the performers and other members of the audience.

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*Show info: Super Scientific Circus ● Wednesday, January 29, 2020 ● 9:30am & 11:30am ● Grades 1-6*