

## THE MIDWAY & GAMES

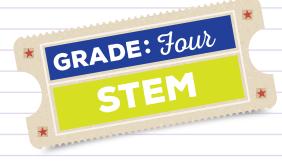
**GRADE 4 STEM** 

FORCING A WIN
THE MIDWAY GAME PLAN



#### STUDENT EDITION





Plan Your Route

\* Head to the Midway at the

center of the Fairgrounds.

# Forcing a Win The Midway Game Plan



#### Recap

- ★ Recall the terms position, spin, and force as they relate to the Ring Toss.
- \* Review the concept of force by watching this video.
- ★ Watch the video about the Ring Toss strategies of Abel and Omarion at Taylor Park Elementary, again.
  - \* Which of their strategies do you think is better?
- ★ In a Ring Toss game, certain bottles are worth more points.
  - \* Make a hypothesis: will you use Abel or Omarion's strategy as you play your game today, or will you develop your own?
- ★ Visit www.bigtex.com for more info on the Midway.



#### Optional Materials to Bring

- \* Smart Phone or Tablet
- \* Pencil & Notepad





#### While You're There

You will use information you gather at the State Fair to help you with TWO project goals:

- 1. Design a game in which you have to use specific force to win.
- 2. Complete the Midway Card Game.

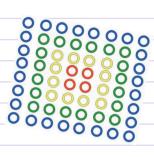
You will work on your projects back at school. For now, the objective of your visit is to determine the specific combination of strategies needed to win the game, including choosing the best position, whether to spin the ring or not, and the amount of force behind your toss.

#### STUDENT EDITION





### Forcing a Win The Midway Game Plan





## THE THREE AMIGOS - POSITION, SPIN, AND FORCE

- When you get to the Midway (or Kidway), head over to the Ring
  - Draw a picture of the Ring Toss game. Toss game in your notebook. It might look something like the image above...
    - You may choose to take a photograph instead, and that's
    - Either try the game, or observe others playing.
    - Answer the following
    - Did it seem easy to toss the ring correctly?
    - What happened when you or someone else applied more What about less force?

- As you determine which strategy (or strategies) you will use, remember to take notes in your notepad! Here are a few additional things to pay attention to:
- What are the rules of this game?
- How are the bottles arranged?
- Do they keep score? If so, what was your score?
- How many times did you play the Ring Toss game?
- Record your results in a table like this one:

#### ROAMING

- If you choose to play other similar games in the Midway, be sure to take notes on the strategy you use to play!
- Will you use the same strategy in these games that you did in the Ring Toss? Why or why not?

#### Back at School

When you return to class following your State Fair visit, you will complete your projects! See your teachers for more information.

Position	Spin	Force	Points

