

Swing Ride Worksheet

Names:

Use the Swing Ride program

Tasks:

1. Is there a range of operating parameters that would be hazardous to the riders??

2. Are there operating parameters where the rider would feel momentarily weightless? Do you think rides at amusement parks actually do this?

Swing Ride Worksheet

3. Is our model of the seat suspension reasonable? (hint: can you push with a chain? Can you contrive operating parameters where there is an obvious "push"?)

4. Use the swing ride to simulate the Howler (Hershey Park) using the Howler Video to estimate the ride parameters. What are the parameters? What is the maximum g-force?
