

# Sit on It and Spin !

## ExploratoRio 2015

### The Exhibit's supplies:

- A rotating stool
- A bicycle wheel with handles ( use the smaller wheel for the day time because it will be easier for the kids , and the bigger/heavier wheel at night when the parents come )
  - The equipment can be found in the left closet under the lower shelf.

### Suggestions and advices

- Once you have your supplies, place the rotating stool outside the classroom. Since the floor has a certain slope it might disturb the effect of the exhibit therefore, make sure to place the stool on the shallowest slope.
- During the day time when the kids try the exhibit tell them to sit all the way back and hold the handles of the wheel tightly. Make sure they hold it the right way (vertical plane).
- Sometimes the force you use to spin the wheel will cause the kids to lean forwards, towards you so a good way to prevent that is to hold one of the handles with the kid so he/she will remain balanced on the stool.
- Make sure their legs are on the stool, the exhibit will not work otherwise!
- The most important thing is to enjoy explaining the science behind it. Get excited about the exhibit! Tell them how amazing and cool it is (even better than a regular bicycle).
- It is important to mention that the wheel spins the opposite way than the stool, let the participant notice it (which makes them even more excited).
- Once the wheel spins vertically tell the kid to move the wheel to one side and then the other. If the kid spins slowly tell him/her to turn it faster to the other side (causing them to spin a little bit faster )
- At night, when the parents come it is recommended to use the bigger/ heavier wheel.

Neta Galili  
Orr Toledano  
4/22/2015

- Encourage the parents to try the exhibit and explain the physics behind it. Answer their questions if they have some and be clear about the main idea. Let the parents try it do not do it yourself! Get excited about them trying your exhibit.
- With the larger wheel make sure you spin it the right way (use the handles to figure out the right way.)
- Our last advice is to have fun and enjoy your time, teach others and leave them amazed by Physics!!