

■Purpose of Exhibition

Experimental shows take place on the Science Stage. We will talk about how interesting science is with informative experiments and interpretations.



■Additional Knowledge

Several experimental shows take place on the Science Stage every day. Our special experimental room, which includes a standing area for about 100 people, is equipped with projectors for lighting, sound and interpretation.

(1) Experimental battle of fire - Two doctors appear on the stage and conduct some experiments of combustion. Each of them explains the burning mechanism. Judge which experiment is better at the end of the show.

(2) Swing, swing, swing - This is a show of experiments on pendulums. How does the size of a weight and length of a string affect the period of a pendulum. Watch and find the answer!

(3) Spin, spin, spin - This is a show about spinning. You'll find spinning plates and tops are very stable. Try to change the direction of the rotation axis!

(4) Ridiculous ghost in the laboratory - A skeleton ghost comes and shows us interesting experiments dealing with color change using herb tea, fire, beer and more.

(5) The law of inertia - An object at rest tends to stay at rest. An object in motion tends to stay in motion. The natural tendency is called "inertia". Will a big pan hung overhead fall on the doctor's head?

(6) Floating and flying - This is a show on the science of floating and flying. Enjoy the experiments with an air cannon, a hot-air balloon, and a floating PET bottle in the air.

(7) Air around us - What is atmospheric pressure? Watch and learn! This spectacular experiment will show that a ping-pong ball can break through a can!

(8) Static electricity - This show explains the mechanism of static electricity. This phenomenon occurs when things are stuck together and removed. Feel the electricity stored in a bottle! This show is limited to the winter, which is the appropriate season for the experiment.

(9) Merry Christmas by a doctor and Santa Claus - Santa Claus visits a lonely doctor in his/her laboratory. The doctor entertains him with color changing wine and a chicken dish burning in various colors. Santa Claus expresses his appreciation with experiments of glittering cocktails. This show is performed during the Christmas season.

(10) Science stands in a summer festival - Popcorn, shooting, and balloon fishing...These stands are usual in a fair, but these stands are truly different! See cone seeds change to popcorn in a moment and watch water poured from a bottle freeze in seconds. Enjoy and talk with the owner of the stands! This show is limited to summer vacation.

Article by Yoshitaka Yamada, curator
