

Nuclear Dance

Kits for Kids

Needed

- Participants
- Hand Crank Generator (optional)

Instructions

Kids will pretend to be one of the following parts of a nuclear power plant. The kids can be lined in the order provided.

1. **Fission** (AKA Ninja Neutrons) – 1-2 kids do Karate moves pretending to break apart atoms
 - Explain fission. Ninja neutrons split the atoms
2. **Boil water/Make steam** – Have kids wave their arms in the air and wiggle, like a whacky arm inflatable balloon man.
 - Heat from Ninja neutrons heats water. That water becomes steam. Wiggling/moving shows that the energy from fission is now energy in the hot steam/flow
3. **Steam turbine** – Have 1 kid spin in a circle.
 - The steam spins a steam turbine
4. **Generator** – Have 1 kid spin in a circle. Another option is to have the generator kid hold a hand crank generator and let the steam turbine kid turn the handle/crank it.
 - The steam turbine spins the generator to make electricity (mechanical to electrical energy)
5. **Power lines** – Have 2+ kids link arms and wiggle arms
 - The electricity from the generator travels from the power plant across the power lines to your house.
6. **Electronics** – Kids pretend to be something that uses electricity
 - The electricity that travels across the power lines go to your house to make your stuff work. Ask kids what they use electricity for. Have them pretend to be that thing. Things can get silly here 😊 Some ideas: toaster (kids pop up when their toast is done), cell phone, light bulb, washing machine, video game system, etc.

Note: The key to success is silliness. If you are embarrassed or too cool to demonstrate the moves, then they are more likely to be too self-conscious to do it. Some kids will volunteer, then get shy. Invite someone to come help them, rather than sending them back.