



Dance on a Speaker

Objects Dance to Music

Place different objects on a speaker, play music, and watch what moves. Predict, test, and sort the results to uncover a simple secret of sound.

Helps Your Child Grow



Reasoning and Problem-Solving

Predicting an object's movement, testing the idea, and comparing the result gives your child experience using evidence to answer a simple science question.



Communicating and Speaking

Asking about what they see and describing how each object moves gives your child practice using conversation to seek and share information.



What You'll Need



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1. Portable speaker
2. small, light picnic items to test



Watch an Object Dance

While music is playing, notice how a light object on the speaker may bounce near the speaker cone. Show your curiosity and invite your child to watch the unexpected movement with you.

Observations

- Asks you a question about what they see
- Shows interest in your explanation and watches with you

Tips

- You can set a light object on or beside the speaker cone before playing the music, then watch together.
- Try different volumes, rhythms, or styles of music and compare how the object's "dance" changes.



Predict, Test, and Sort

Separate the objects that “dance” from those that do not. Choose a new object and predict what it will do before placing it on the speaker. After the test, add it to the matching group.

Observations

- Tests different objects to see whether they bounce
- Suggests a feature shared by the objects in either group

Tips

- Keep the speaker at the same volume so it is easier to compare the objects themselves.
- After testing everything, ask what the objects in each group have in common.