

Hoppers — Teacher Tips

After testing how high their hoppers jump, students will think of ways to change their hoppers so they jump higher. Depending on the time and materials you have available, students can modify the hoppers they made or make new hoppers.

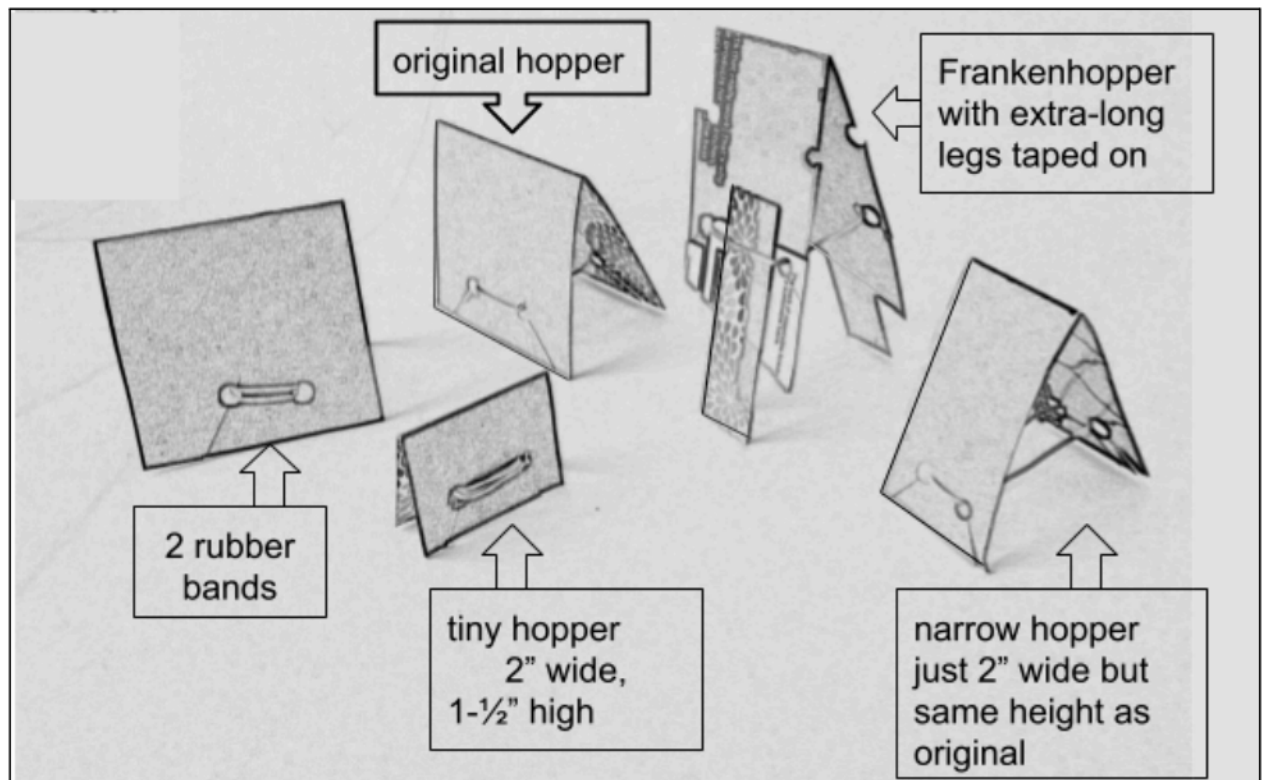
What if my students are stumped?

Assure them that there is no one right answer. There are many possibilities to try.

Suggest they ask questions that start with “What do you think would happen if....

- you added another rubber band?
- you used a rubber band that’s shorter? or longer? or thicker?
- you made the hopper smaller?
- you made the hopper bigger?

Here are some of our experimental hoppers



Keep exploring

If your students are eager to try other experiments (and if you have the class time), you can extend this exploration, allowing students to try other changes.