

Yo-Yo Motion

Lesson Title: Yo-Yo Motion

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Drop and Watch

Now that you have made your yo-yo, practice using it to discover more about how it moves.

1. Slip the loop around your middle finger. Let go of your yo-yo. Describe how your yo-yo moves.
2. Watch a partner let go of his/her yo-yo. What do you notice about the way it moves?
3. What kind of motion do you notice when you let go?
4. How does the yo-yo move when closest to the ground?
5. When does the yo-yo move fastest?
6. When does it move slowest?
7. What force makes the yo-yo move toward the earth?

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8. What force makes the yo-yo slow down?

Yo-Yo Tricks

Experiment with different ways of letting your yo-yo move. Change the direction you let it travel. Add some force by pulling up on the string. Try inventing some tricks.

Record your yo-yo observations in the space provided on this sheet. Write down what you tried and how your yo-yo moved. Draw pictures to help show your tricks.