

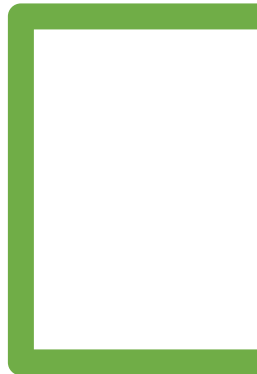
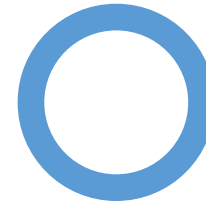


Year 5 Science Investigation

**What happens to a spring when
we put a mass on it.**

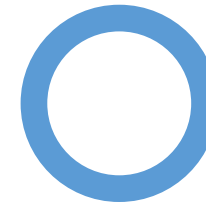
Equipment Required

- Various spring sizes
- Various weights

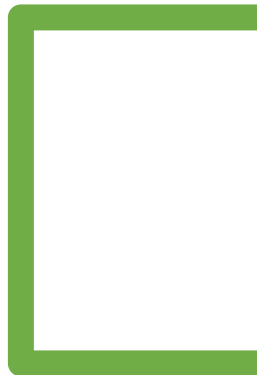


What happens to a spring when we put a mass on it?

To find the relationship between the amount a spring will stretch and the amount of mass put on the spring.



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What happens to a spring when we put a mass on it?

We want to find out what happens when we put a mass on the end of a spring.

Is there a pattern or a relationship between the amount of mass and the amount it stretches?

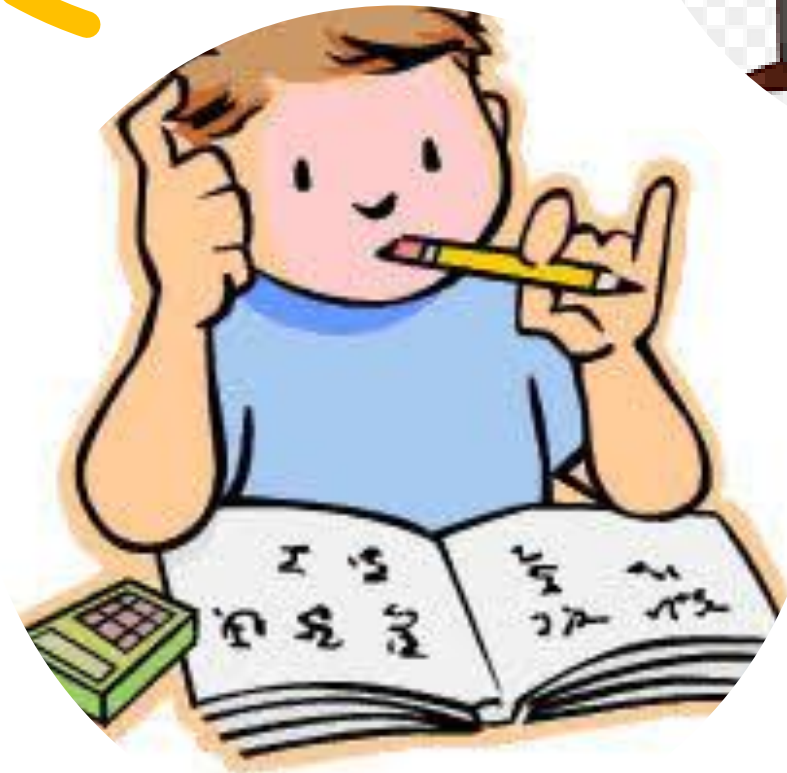
Try to think how we can find out.

Talk with your friends and see if you can come up with an idea.

Your ideas.

Tell the rest of the class your idea for your investigation and decide in the class has the best idea.

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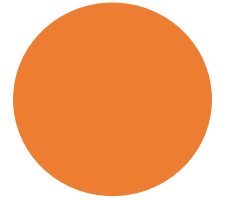


What happens to a spring when we put a mass on it?

Make a prediction

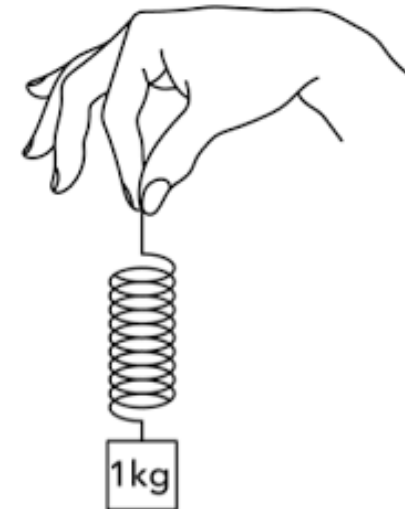
I think the relationship between the amount of mass and the amount the spring stretches will be:

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What happens to a spring when we put a mass on it?

- Hang the spring from something and measure its length.
- Add a mass and measure the length of the spring.
- Keep adding masses to the spring and measure its length.
- Record your results.
- Draw a graph and look for a relationship.

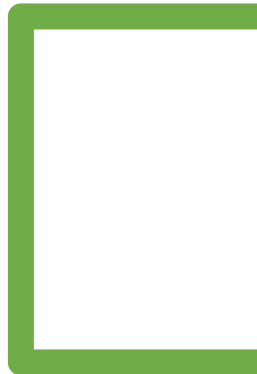
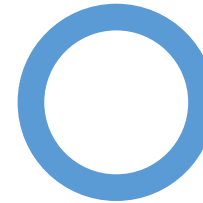


What happens to a spring when we put a mass on it?

What will be the two axis of the graph?



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What happens to a spring when we put a mass on it?

Find out if the same pattern is true for other springs or elastic.

