VIVI'S INV-EGGSTIGATION: WHAT HELPS PLANTS GROW?

I want to find out what plants need to grow. How can plant growth be optimised? Can you help me create a watering system or another invention to help?
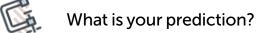
STEP 1: MAKE A PREDICTION AND POSE A TESTABLE QUESTION

What is your testable question?

If we change _____ what happens to _____ ?

What is your prediction?

I predict that _____ will make plants grow better.

STEP 2: DESIGN A FAIR TEST

What are you going to change, measure and keep the same?

Identify the variables in your investigation.

I am going to change:	I am going to measure or observe:	I am going to keep the same:
I am going to keep the same:	I am going to keep the same:	I am going to keep the same:
I am going to keep the same:	I am going to keep the same:	I am going to keep the same:

STEP 3: CONDUCT A NUMBER OF FAIR TESTS WHILE CAREFULLY RECORDING AND ANALYSING DATA

How will you record your data?

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How many times will you conduct your investigation?

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While you are conducting the fair test you need to make sure that you also:

- Measure and record your data very carefully
- Repeat your test a few times
- Which 2 tools and gadgets will you choose for your investigation?

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STEP 4: EXPLAIN AND REPORT FINDINGS

The last step is to make sense of your data.

- Are there any patterns?
- What does the data tell you?
- Would it be clearer if you created a graph to show what happened?

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