🍅 ARDASH'S INV-EGGSTIGATION: WHICH SEEDS GERMINATE THE QUICKEST?

> *I want to find out which seeds will germinate the quickest so the Slum-lane kids won't go hungry. I need your help!*

> *Germination is when a seed first 'sprouts'. To germinate, a seed requires water which is absorbed through a tiny hole (called the micropyle) in the seed's skin (called the testa). Water is absorbed into the food store inside the testa (the coytledons) which causes them to swell. After a day or so a young root or radicle begins to grow, followed by a young shoot or plumule. At this point the seed has germinated.*

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 seeds germinate the quickest.

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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