

## A Collaborative 3 ACT lesson

Title: Let it Fly

link: <https://gfletchy.com/let-it-fly/>

**Big Idea:** addition and subtraction to 1 000

### Curricular Competencies:

- *estimating reasonably*
- *developing mental math strategies and abilities to make sense of quantities*
- *visualizing to explore mathematical concepts*
- *developing and using multiple strategies to engage in problem solving*



## ACT ONE:

Establishing a Need to Know: watch the 30 second clip. After viewing the short clip, invite students to consider:

What did you notice?	What do you wonder?

and jot down the ideas as students share their thinking...

**Driving Question:** *How far did the disc fly?*

**Estimating:** invite students to think of a reasonable estimate for how far the disc flew that would be too few metres, and a reasonable estimate for how far the disc flew that would be too many metres.

A too low estimate:	A too high estimate:

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### ACT TWO:

What information would be helpful to know for solving this investigation?

**Share the Clues:** *How long was the hole? How did he measure the distance?*

**179 m**



**Share the 23 second clip**



Students will now work in visibly random teams of three to solve the investigation using one dry erase marker, one eraser and a large vertical non-permanent surface. The teacher will circulate, observing and listening for learners communicating with purpose, thinking creatively and representing understanding in more than one way, and learners contributing while supporting one another.

### ACT THREE:

Share the 23 second clip that reveals the solution. Invite students to communicate their strategies for arriving at the solution for how far the frisbee golf disc flew.



### Whole Group reflection:

Strengths: What worked (What strategies did you use to work toward a solution)?

Stretches: What was difficult?

Next steps: What would you do differently next time?