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| Topic links: Water, Recycling, Toys | Primary 5/6 Age 8-10 | Activity title: Bottle flip |
| Science skill focus Recording and communicating | Curriculum link: Movement and Energy Force is needed to make an object move, change speed or direction (ME1) |  |

Activity

Children investigate how the amount of water affects landing a 'bottle flip'. They collect and record results to communicate their findings.

A [lesson plan](#) for this activity can be found on the PSTT [website](#) at www.pstt.org.uk.

Example from Primary 6 (age 9-10)

Groups were asked to decide on their own method to compare bottle flip landings when the amount of water inside the bottle is changed. For example, some chose to count the number of successful landings from a set number of throws, whilst others counted the number of throws to reach 3 successful landings. All groups were asked (and reminded) to record their results clearly so that others could understand their investigation findings.



| Measure | [redacted] | [redacted] | [redacted] | [redacted] | Total |
|---------|------------|------------|------------|------------|-------|
| 50 ml | 0/3 | 0/3 | 1/3 | 0/3 | 2/12 |
| 100 ml | 1/3 | 0/3 | 0/3 | 0/3 | 1/12 |
| 150 ml | 1/3 | 2/3 | 0/3 | 0/3 | 3/12 |
| 200 ml | 1/3 | 1/3 | 0/3 | 1/3 | 3/12 |
| 250 ml | 3/3 | 2/3 | 1/3 | 0/3 | 6/12 |
| 300 ml | 2/3 | 0/3 | 1/3 | 1/3 | 4/12 |
| 350 ml | 1/3 | 1/3 | 1/3 | 0/3 | 3/12 |
| 400 ml | 3/3 | 2/3 | 0/3 | 1/3 | 6/12 |
| 450 ml | 1/3 | 0/3 | 1/3 | 1/3 | 2/12 |
| 500 ml | 2/3 | 2/3 | 1/3 | 0/3 | 5/12 |
| 550 ml | 1/3 | | | | |
| 600 ml | | | | | |
| 650 ml | | | | | |
| 700 ml | | | | | |
| 750 ml | | | | | |

Children meeting the objective would record clearly to show what was investigated e.g. yes/no is recorded next to names/attempts or number of successful flips is clearly linked to an amount of water.

Example from Fairview Primary School, Ballyclare, Co. Antrim