

Inquiry activity

Hypothesis: Younger pupil's reaction times are quicker than older pupil's reaction times.

Brain dump: Use the box to note your initial thoughts.

- Is it true?
- What evidence is it based on?
- How can the hypothesis be tested?

Equipment needed	Method
<ul style="list-style-type: none"> • Metre rulers. • Participants of different ages (if doing this in class, try to pair with others of a few months age difference). 	<ul style="list-style-type: none"> • Get into pairs and gather the equipment listed. • One person of the pair needs to hold the ruler between the others thumb and forefinger parallel to zero. • Drop the ruler without warning the person • Note the distance the ruler dropped before it was caught.

Variables

Independent (the one you change): _____

Dependent (the one you measure in response to change): _____

Control (Those kept the same): _____

Questions to think about

- Explain if the hypothesis proved correct or incorrect?
- What sources of error are there in this experiment?
- How could you improve the reliability of the inquiry?