

# Guiding Inquiry Card: The Greenhouse Effect (Gr. 7)



## Workshop Overview

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### Challenge 1 – Determine a purpose

- a. To facilitate Challenge 1, Learners may need:
  - i. **Video 1: Introduction**

### Challenge 2 – Identify a detailed plan

- a. To facilitate Challenge 2, Learners may need:
  - i. Greenhouse Research Cards
  - ii. Observation Research Card

### Challenge 3 – Build a model greenhouse

- a. To facilitate Challenge 3, Learners may need:
  - i. Any available building materials
  - ii. Observation Research Card

### Challenge 4 – Test it out!

- a. To facilitate Challenge 4, Learners may need:
  - i. **Video 2: Test it out!**
  - ii. **Video 3: Test 1: Wind Test**
  - iii. **Video 4: Test 2: Temperature Test**
  - iv. **Video 5: Test 3: Strength Test**
  - v. PASCO sensors and any testing materials
  - vi. Observation Research Card

### Challenge 5 – Share your findings

- a. To facilitate Challenge 5, Learners may need:
  - i. Any information collected throughout the workshop that will be helpful in justifying their choices, including their greenhouse model
  - ii. Observation Research Card