

# Heat and Temperature

## Video and Audio Journal with Keynote

### Activity

Using the FLIR One camera for IOS, students can capture and visualise the heat gain and loss as it conducts from a warmer to a cooler region. Use screen recording / audio recording to record their observation and explanations in a journal.

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### Objectives

Students demonstrate their understanding of heat gain / loss from warmer to cooler region and the differential rate of heat transfer. Students should be able to explore the use of different ways to express an answer / explanation


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### Extensions

Students can experiment with different rate of heat gain and loss with the use of good and poor conductors

## Have a go



- 1 Open Keynote  and create 4 slides for question 26c. Insert placeholders for video and audio recordings of their observations to be included as part of the laboratory journal.

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- 2 Set the iPad with the FLIR One cam with screen recording to record the heat flow and inflation / deflation of balloon as a post experiment summation and/or recap of previous lesson.

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- 3 As an extension for higher ability student, consider using an ice water instead to note the differences.

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- 4 Upload the video / journal onto SLS with Social Wall in place for other students to comment on the experiment with necessary restrictions on useful, constructive comments only.

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