Farrer High School- Cultivating Classrooms Professional Development NSW DPI Schools Team

Find all our resources at: https://www.nswdpi-schools-program.com/

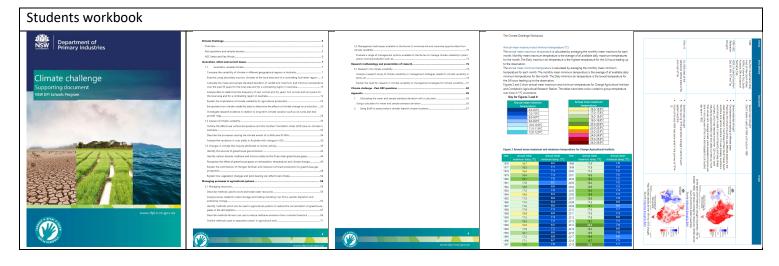
Climate resources

The Climate Challenge PD- Online \$150 (in the process of seeking NESA accreditation) 6 hrs https://www.nswdpi-schools-program.com/teacher-professional-development

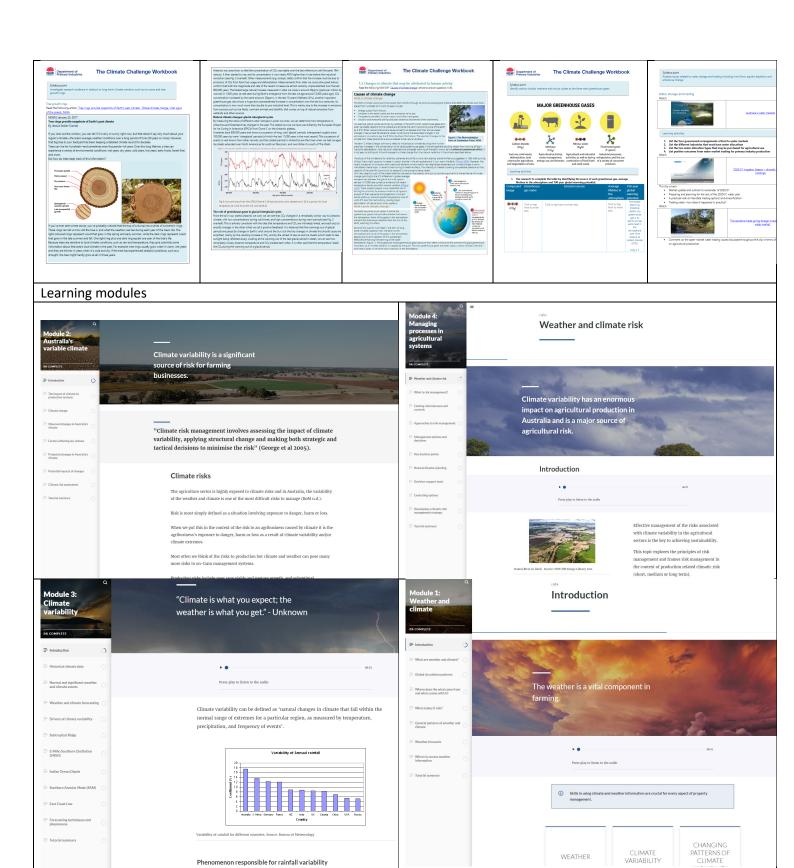
 Description This course will assist teachers of Agriculture and Primary Industries subjects in NSW to deliver up to date information related to weather and climate change. It specifically addresses the Stage 6 Agriculture elective *The Climate Challenge* but also provides general information in relation to the main drivers of weather patterns in Australia, impacts of climate change to our agricultural systems and risk management techniques. (Will be useful for new climate content in upcoming new Stage 5 syllabus)

Includes:

- 6 learning modules Each module includes a range of activities and information sources, and course notes to help you learn about climate, how climate variability affects agricultural production and risk management techniques.
 - An overview of weather and climate (1.5 hours)
 - Australia's variable climate (1 hour)
 - Climate variability (1 hour)
 - Managing processes in agricultural systems (1 hour)
 - Research into climate variability (0.5 hours)
 - Create your own fully resources teaching and learning unit program (1 hour)
- Writeable students study guide covering all HSC elective outcomes and content (dot points) and past HSW questions
- Example program (matching the study guide)
 Here's a sneak peak at the students workbook and learning modules



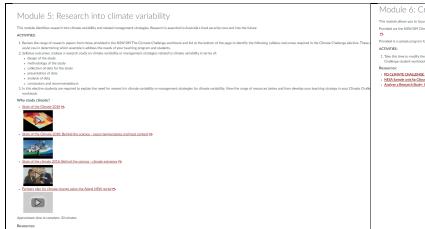






Phenomenon responsible for rainfall variability

WEATHER



Module 6: Create your own fully resourced teaching and learning unit program

Climate Dogs- animations for teaching/understanding the drivers behind Australian weather https://youtu.be/xk9LkrTEpBc

Climate influences on Australian weather

Published 8 March 2022







Understanding what influences Australia's climate at key farm decision making points throughout the year is crucial. The NSW ClimateDogs animation series uses sheep dogs to explain complex atmospheric phenomena. The series has been developed in collaboration with the Australian Bureau of Meteorology and Victorian Department of Primary Industries.



Meet the ClimateDogs



моло

Is the Madden Julian Oscillation of tropical systems near the equator, which can influence Australia's weather and climate, especially during the warmest months of the year.

RIDGY

Otherwise known as the Subtropical Ridge is the lead dog of the pack RIDGV's position and intensity have a significant influence on weather in NSW. Recent changes in RIDGY's behaviour appear to be driving some significant changes to southern NSW rainfall patterns.

ENSO

Represents the El Niño Southern Oscillation. Changes in ENSO's behaviour has a significant influence on rainfall probabilities in inland NSW during the winter and spring period.



Please reach out to for any inquiries to megs.dunford@dpi.nsw.gov.au

To subscribe to our newsletter for updates on new DPI resources, students events and teacher PD please go subscribe at the bottome of the page https://www.nswdpischools-program.com/



INDY

Represents the Indian Ocean Dipole. Like ENSO, changes in INDY's behaviour also has a significant



SAM

Represents the Mode and is a complex climate dog. Recent changes in SAM's



EASTIE

The East Coast Low represents the deep low pressure systems that are an important

