

Operation Climate Change – Footprint Overview

Whole System Category	Learning Area: Outcomes	Mission Description	Learning Strategy Ass Strategies	Linked programs
Climate Change	Operation Climate Change is designed as an introduction to the suite of Operations. It is important to help the learner develop their understanding about the underlying issues of the inter-connections of whole systems thinking. The learner only needs to complete one of the three missions before progressing to the other Operations. The learner must complete the Checklist before beginning the selected Mission and then complete the Debrief to demonstrate their new understanding.			
	Climate Change checklist – pre-test of knowledge for one of the missions below. NAPLAN format – automatically tallies			DEC website Dept of E, W, H & A website UN EP website Dept of E, W, H & A website US EPA website US National Teachers Assoc website
Mission One Eco-Footprint Maths	Society & Environment Investigation Communication & Participation Natural & Social Systems Maths: Working Mathematically Core Shared Value Social & Civic Responsibility Environmental Responsibility	Galloping Greenhouse – Would you like to learn how to save money and greenhouse gases at the same time? Calculate greenhouse gas emissions for your household or school, take action to improve your savings. Tell everyone how easy it is to make these changes and advertise your suggestions.	S & E Investigation Maths Communicating scientifically Mind Map Teacher rubric	
Mission Two Video evidence	Society & Environment Investigation Communication & Participation Natural & Social Systems Core Shared Value Social & Civic Responsibility Environmental Responsibility	Video Vapours – Video current backyard, school grounds and/or local area showing understanding of the impact of climate change. Include dramatic performance, singing, etc.	Research internet site Communicating scientifically PMI Teacher rubric	
Mission Three Visual Art	Society & Environment Investigation Communication & Participation Natural & Social Systems Art Core Shared Value Social & Civic Responsibility Environmental Responsibility	Earth on the Easel – Create a painting to illustrate the complexity of climate change – that it is due to multiple causes spread out all over the world.	Research internet site Communicating scientifically PMI Teacher rubric	
	Climate Change debrief - post-test to determine level of understanding developed after completing one of the missions. NAPLAN format – automatically tallies			