



# STEM Academy

## Regional STEM X Workshop Program

<b>DAY 1 - FRIDAY</b>	
8.15	<b>Registration and welcome</b>
9.00	<b>The Hardest Part</b> Science always starts with a question. But how do we know if it's the right question? Teachers will explore techniques to help generate and assess questions, which can be used with a variety of stimuli to assist with the development of open ended inquiry in the classroom.
10.00	<b>Meet your STEM professional</b> Teachers will be divided into small working groups and meet the STEM professional who will be collaborating with them throughout the day.
10.30	<b>Morning Tea</b>
11.00	<b>CSIRO Futures</b> Who are we? How do we approach the future? We can't predict the future, but we can prepare for it. Find out how CSIRO is addressing future global challenges and opportunities.
11.30	<b>Global problems, local solutions</b> Each group will be given a global problem with a local connection. Teachers, supported by their STEM professional, will follow the inquiry process to identify and explore their scenario.
12.30	<b>Lunch</b>
1.00	<b>Global problems, local solutions (continued)</b> Each group will be given a global problem with a local connection. Teachers, supported by their STEM professional, will follow the inquiry process to identify and explore their scenario.
2.30	<b>'Where are you up to?'</b> You have been working hard all day - time to share this progress with the other groups in the room, and hear other's thoughts.
3.00	<b>Field Trip - Grote Reber Museum</b> All delegates will have the opportunity to visit the University of Tasmania's School of Physical Sciences radio telescope and museum at Cambridge, with return transport provided.
<b>DAY 2 - SATURDAY</b>	
9.00	<b>Welcome back!</b> Teachers will be asked to change lens today when working on their scenarios.
9.30	<b>Back to school</b> What does your school, and your classroom look like? What resources do you have access to? How would you support your students to address a scenario?
10.30	<b>Morning Tea</b>
10.45	<b>Back to school (continued)</b> What does your school, and your classroom look like? What resources do you have access to? How would you support your students to address a scenario?
11.45	<b>Bringing it all together</b> Develop a scenario session for your students
12.30	<b>Lunch</b>
1.00	<b>Bringing it all together</b> Develop a scenario session for your students and share this resource with the rest of the cohort.
2.00	<b>Farewell from CSIRO</b>
2.30	<b>STAT Presentation</b> Jenny Dudgeon, President, Science Teachers' Association of Tasmania
3.30	<b>Happy Hour</b>