



How can we be LeadSmart?

S2 - Module 3

Modular delivery

The LeadSmart modules are designed to allow flexibility for teachers and schools to tailor the delivery of the program in a way that best suits their needs. Each set of modules are designed in a way that they can be delivered in sequential order, as individual lessons, or in an arrangement of the school's choosing.

Module overview

In this module students will understand that there are a number of strategies people in Broken Hill can implement in order to reduce the risk of lead harm. They will focus on the three areas of:

- **Eat smart**
- **Clean smart**
- **Live smart**

During this module students will have the opportunity to engage in a whole class activity where they will identify, discuss, and classify a range of existing LeadSmart strategies

Assessment

There are a number of informal assessment opportunities throughout this module including:

- Brainstorm to assess prior knowledge and experiences
- Class discussion
- Student questioning
- Student workbooks
- Observation

Resources

- Health hub space in your school
- Interactive Whiteboard (IWB)
- Printed eat smart, clean smart and live smart cards
- LeadSmart strategies - Activity sheet (print and cut out prior to lesson for use in whole class activity)
- Supplementary teacher IWB resources
- Pencils, crayons and textas

Learning intentions

Students will:

- Understand there are a variety of LeadSmart strategies that can be used in our daily lives to reduce the risk of lead harm
- Investigate the **eat smart** strategies that can help reduce lead harm
- Investigate the **clean smart** strategies that can help reduce lead harm
- Investigate the **live smart** strategies that can help reduce lead harm

Program adjustments

As with all of the LeadSmart Education modules, we encourage you to differentiate the following activities by making any necessary modifications in order to cater for diverse student learning needs.

Note: The suggested duration of the activities found within this module may require adjustment to cater for the needs of your students.

Curriculum links

Stage 2

PDHPE

COS2.1 Uses a variety of ways to communicate with and within groups

PHS2.12 Discusses the factors influencing personal health choices

SLS2.13 Discusses how safe practices promote personal wellbeing

Geography

GE2-1 Examines features and characteristics of places and environments

GE2-2 Describes the ways people, places and environments interact

English

EN2-10C Thinks imaginatively, creatively and interpretively about information, ideas and texts when responding to and composing texts

EN2-1A Communicates in a range of informal and formal contexts by adopting a range of roles in group, classroom, school and community contexts

Cross curriculum priorities

- Sustainability

General capabilities

- Critical and creative thinking
- Ethical understanding
- Literacy

Introduction activity: What do we already know?

10 minutes

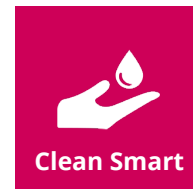
1. Display an image of Lead Ted Jnr on the board. Ask students if they can identify who he is and what he does in the Broken Hill community. Lead Ted Jnr helps people become LeadSmart by teaching them ways to reduce lead harm in their lives.
2. Explain that there are lots of ways we can be LeadSmart in our lives. Display the How LeadSmart are you? - Interactive and take the quiz as a class to assess prior knowledge.
3. Discuss each question and answer as a whole class. Explain that throughout this module students will be learning more about three LeadSmart areas (eat smart, clean smart and live smart), they may already be doing some of these things at home or school.




Activity 2: What's involved in lead mining in Broken Hill?

30 minutes

1. Sit students in a large circle. Place cards with the eat smart, clean smart and live smart logos on them in the centre of the circle so that they are in a line.
 2. Place the pile of LeadSmart strategies, that you have printed and cut out prior to lesson, face down in the circle. Explain to students that you are going to select volunteers to pick one strategy each off the pile and read it out to the class, then as a class you will decide which LeadSmart area you think each strategy belongs to. Once the class agrees, place the strategy under the logo.
 3. Repeat the activity, using different volunteers, until all of the strategies have been allocated to a LeadSmart area.
 4. Discuss each strategy as it is revealed with students, provide them with opportunity to share their prior knowledge and experiences.
 5. Once the students have completed the whole class activity, explain that they will now be creating a LeadSmart poster for one of these LeadSmart areas (Live Smart, Eat Smart or Clean Smart) using the strategies we have examined.
 6. Instruct students to use A4 paper, pencils, felt tip pens and any other utensils to create a colourful and informative poster about one of the LeadSmart areas. They must include a picture or description of every LeadSmart strategy related to that area.
- Note:** These posters could be used as a competition, with the winning poster for each LeadSmart area being displayed around the school for the remainder of the school year.
7. Ensure students have adequate time to complete their posters. Encourage quiet talk amongst the students to support peer scaffolding.
 8. When completed, give the students an opportunity to display their poster to the class.



LeadSmart Area	Strategy	Teacher notes
	Eat a healthy diet	Children with a healthy diet absorb less lead.
	Eat breakfast every day	A child who doesn't eat breakfast can absorb up to seven times more lead than a child who does eat breakfast.
	Wash hands before eating	Hand washing is the most effective strategy to keep lead out of our bodies.
	Drink plenty of tap water, not rainwater	Rainwater from water tanks looks and smells like clean water but can still contain lead.
	Avoid eating while sitting on the floor	If you have to sit on the floor put down a clean sheet or towel first to keep lead dust or dirt out of the food and off hands.
	Eat small healthy snacks regularly	A tummy full of healthy food protects us from lead harm.
	Eat foods high in iron, vitamin C and calcium	These foods will help us absorb less lead.



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Keep away from bare dirt, soil and dust	At home, school and other outdoor areas. These could be potentially high lead areas.
Play on grass or other covered surfaces where possible	A covered surface is the best place to play, it will minimise direct contact with lead.
Play in sandpits	Keep sandpits covered when not in use to stop lead dust getting into it.
Wash or wipe down outdoor equipment and toys regularly	To clean off any lead dust and ensure that the toys and equipment are safe to handle.
Keep toys away from your mouth	This will reduce the risk of ingesting (swallowing) lead dust.
Check painted areas regularly	Keep them in good repair to reduce risk of old paint chipping and flaking which may contain lead.
Keep pregnant women and young children away from renovation sites	Renovation sites can disturb old lead causing an increase of lead dust as well as old paint chips and flakes. Keep those most at risk of lead harm well away from renovation sites to reduce the risk of exposure.

Reflection activity: What did we discover?

30 minutes

1. Sit students in front of the IWB, complete the How LeadSmart are you? Interactive quiz again to assess progress in student knowledge and understanding.
2. Decide with your class where you should display your posters, you might like to hang them around your school community to teach students, staff and parents about the quick and easy ways they can be LeadSmart in their lives.

LeadSmart Strategies

Print and cut out each strategy to use in whole class activity.

Use a damp cloth and mop when cleaning

Close windows and doors on dry and windy days

Keep away from bare dirt, soil and dust

Play on grass covered surfaces where possible

Play in sandpits

Wash or wipe down outdoor equipment and toys regularly

Keep toys away from your mouth

Check painted areas regularly

**Keep pregnant women and young children
away from renovation sites**

Eat a healthy diet

Eat breakfast every day

Wash hands before eating

Drink plenty of tap water

Avoid eating while sitting on the floor

Eat small healthy snacks regularly

Eat foods high in iron, vitamin C and calcium

Wash hands regularly

Wash pets regularly