

## PENRITH LAKES

**ENVIRONMENTAL EDUCATION CENTRE** 

EDUCATION FOR A SUSTAINABLE FUTURE

## Kitchen Gardens 2021

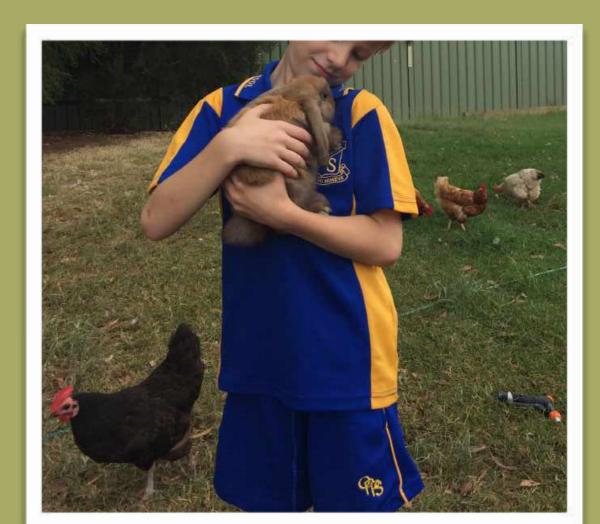


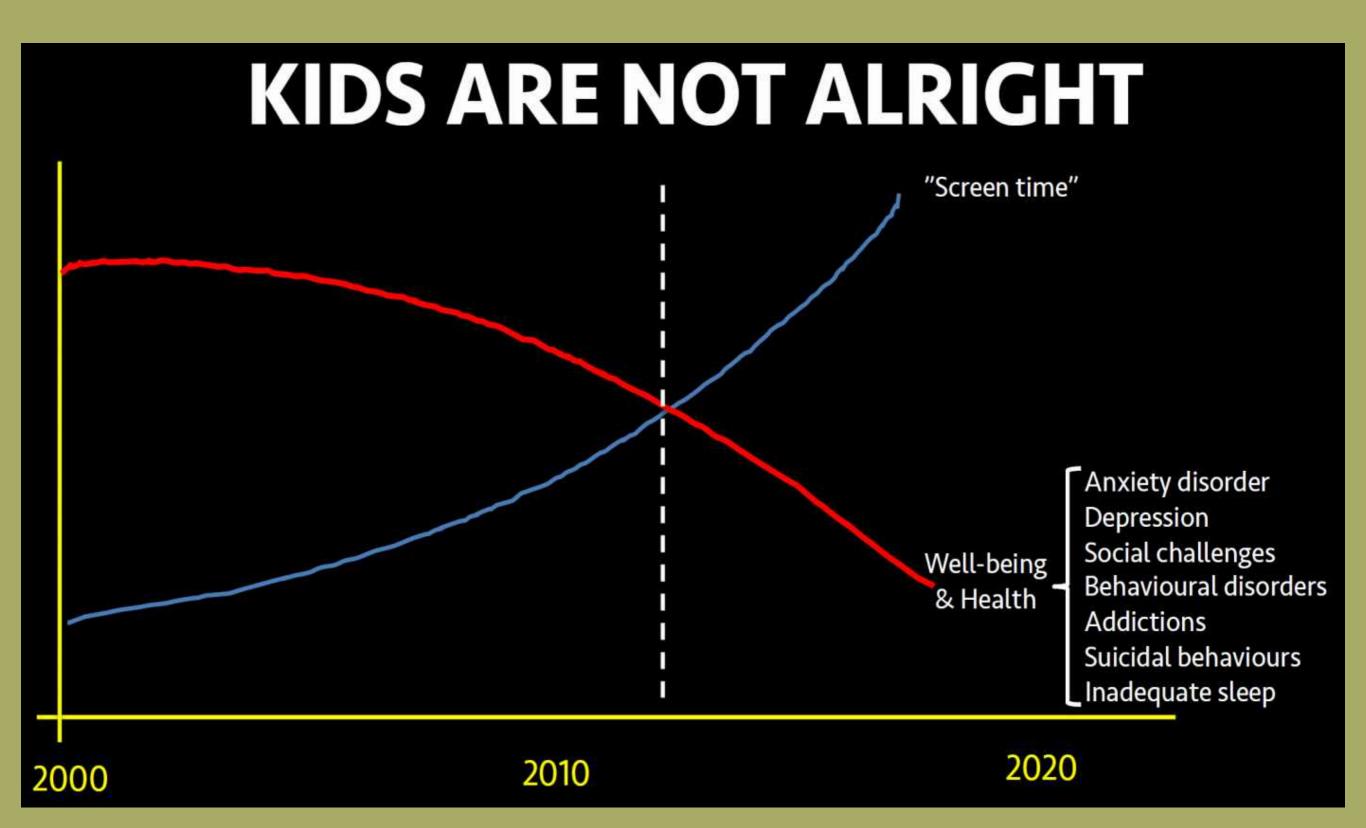


"Purpose of education is two-fold: one should teach us how to make a <u>living</u> and the other how to make a life".

James Truslow Adams, 1929







"All the research is pointing to two biggest factors that will determine how long you live and the quality of your life:

- 1. What you eat
- 2. The quality of your relationships

Dr Michael Mosley, 2019

Star Dr of multiple BBC, ABC, & SBS TV shows



## The 'WHAT'

A year-long & timetabled (Cross-KLA) 'Kitchen Garden' program (1hr p/wk per class), to support students educational and life outcomes, utilising PLEEC's ongoing 'face to face' staff support.





- Project length is up to 3 yrs, by which hand-over can occur.
- All teaching & learning programs, risk assessments etc., supplied.
- Regular PL provided to facilitate staff capacity building & collaboration.

### **Measurably** increase student engagement and achievement of:

- Individual & Cross-KLA syllabus outcomes and sustainability (LAC);
- General Capabilities, (Lit & Num, Personal & Social Responsibility, Critical & Creative Thinking);
- 'Wellbeing Framework', (achievement, meaningful goals and enjoyment of learning); & staff wellbeing too;
- CESE's 'What Works Best' 2020, wellbeing & staff collaboration themes.
- Other targets, such Healthy Canteens, SEF and NESA APSFT, NSW Health.
- Greater community engagement & school attraction value.





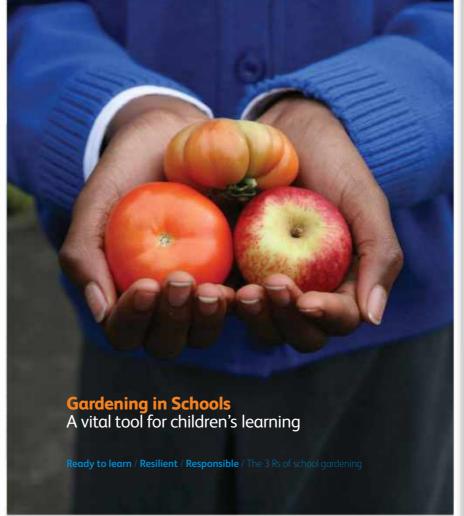
## School Research Evidence

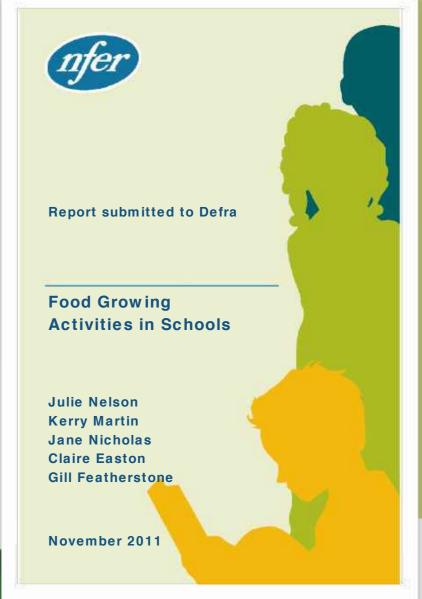
Public Schools NSW

Kitchen Garden Pilot program

Evaluation Report









Evaluation of the Stephanie Alexander Kitchen Garden Program





# Kitchen Gardens

### Home

### Teachers

#### Learning resources

Syllabus links

Policy advice

**Programs** 

**Funding** 

Research

Submissions

### Students

#### Sahaal starios

igure 4.6 Links to NSW K-6 syllabuses

### Learning resources

Kitchen and food gardens are an increasingly popular way for schools to promote environmental and sustainability learning and connect students with healthy food and lifestyles. These programs can help.

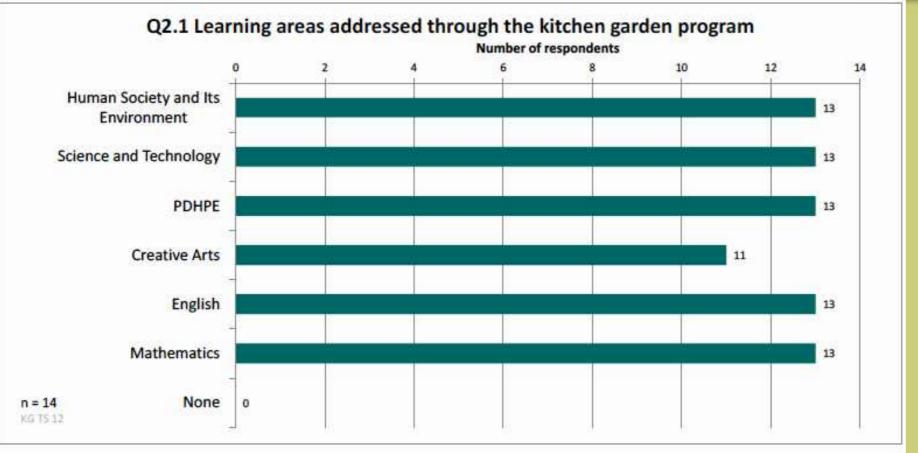
#### KidsGrow

This site provides a practical toolkit of resources to help schools get kids gardening. Specially created by teachers for teachers, the KidsGrow's hands-on gardening projects are directly linked to the school curriculum and expose students to a range of thinking skills and learning styles. For more information visit KidsGrow.



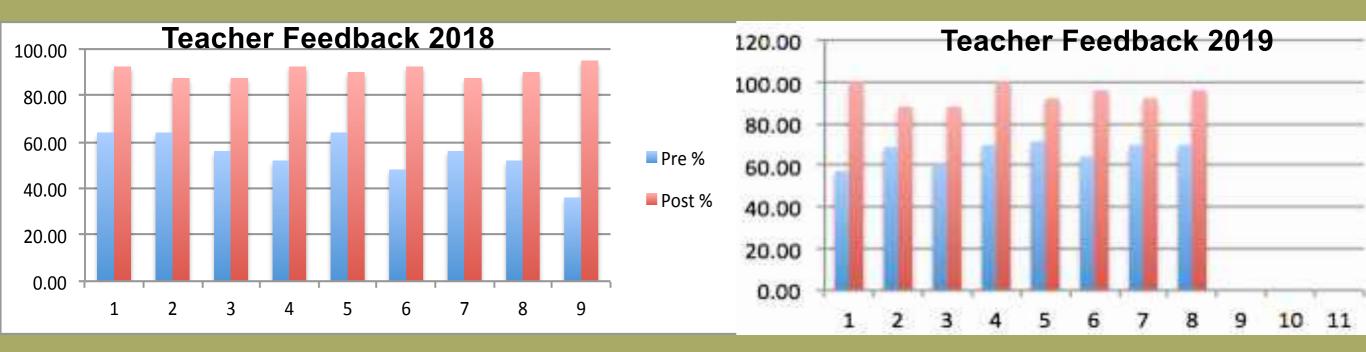
Brightly coloured barrels are used as planters. Photo courtesy of Barooga Public School

Figure 4.10 Measuring plant growth





### **Our Research**



### **Teacher Comments:**

- Students love it, staff love it, parents love it, and everyone speaks about how they are enjoying it. People from outside the school have commented about how nice the veggie gardens are and enquired about the program. We hired an additional SLSO to support our teacher in running the program this year. Staff and student wellbeing has improved as a result of this program. Stories just keep on coming.
- A wonderful experience for staff and students! Children very engaged and enthusiastic about their learning and how they can promote this at home.
- I feel that the PBL project that we undertook at school this year helped me as a teacher to gain confidence in planning activities which would help the students to learn about sustainability. The students level of **engagement was extraordinary.**
- The Kitchen Garden program has made many great changes in our student's lives. From
  constructing their own vegetable gardens at home, to trying new vegetables that they wouldn't have
  dared to before. The simple tasks of producing small meals was new to many of them. Growing their
  own vegetables gave them a new sense of appreciation for the world around them and the importance
  of being sustainable.



# Kitchen Gardens

### Learning resources

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# The 'HOW'

- PLEEC 'Kitchen Garden' Teacher & Start Up Budget 2021: \$26k (all inclusive)
- Cost breakdown: \$24k for expert teacher, \$2k approx for resources).
- (DoE Sustainable Schools Grants \$15k per school).
- Allows for chosen 4-5 trial classes to participate (1 day/pwk per semester), and scalable up over time.
- Surveys of participating students and staff will be conducted at the beginning and end of the project to measure impact.
- RSVP by TBC = Email: branimir.lazendic@det.nsw.edu.au

### **Potential Legacy**



## Whalan PS E.G





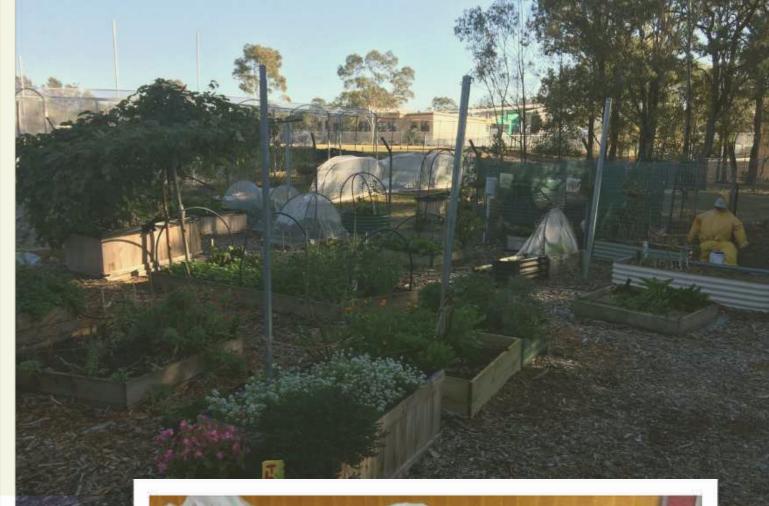




## St Claire PS E.G

















Tart

2009)

## Super engaging!



# ST CLAIR PS

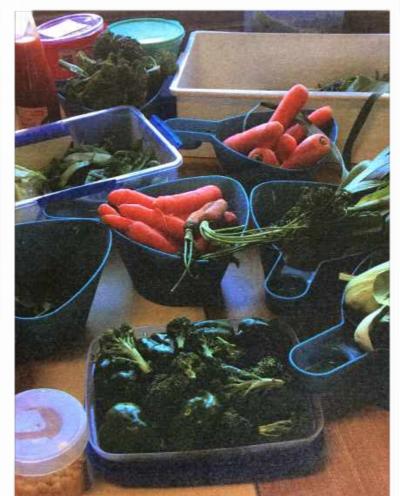


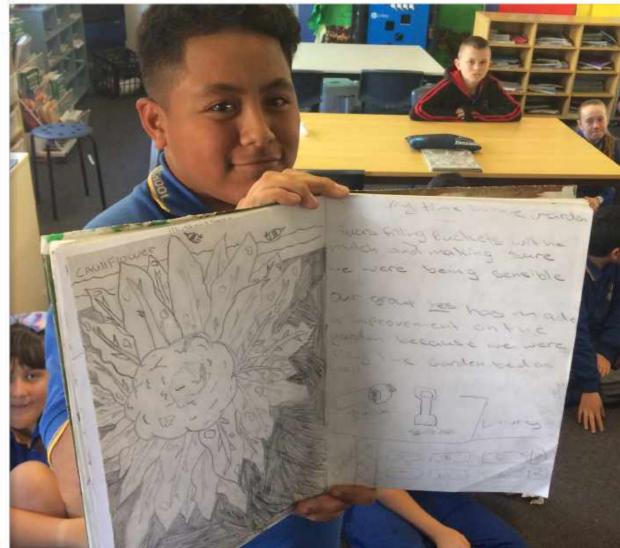
## "Tuesday funny...

We had to hide in the storeroom today when the kids came to class, so that the kids who have to go and do reading actually go as they love kitchen gardens too much! "Em..



## Oxley Park PS





























## **Chisholm PS**









## Cambridge Gardens PS







Session	Monday	Tuesday	Wednesday
Morning	Class 4 - Science / SAKG	Class 5 - Science / SAKG	Class 1 - Tech RFF
			Scripture (9:30 - 10:00
			Class 1 - Maths
Recess			
Middle	Class 1 - Science / SAKG	Class 6 - Science / SAKG	Class 3 - Science / SAKG
Lunch			
Afternoon	RFF	Class 1 - History	Class 1 - TBC















Mental health is the #1 concern of Australian 15 - 19 year olds



1 in 6 people have at least one mental or substance use disorders globally



Young people with strong social emotional skills are more likely to have higher income and better jobs



Young people with strong social emotional skills are twice as likely to be happy



Today kid's are not ok...

In Australia

### Based on the findings of Professor Pasi Sahlberg

10% don't feel safe at home

47% sleep with smartphone every night

40% have sleeping problems

10% have abnormal social and emotional wellbeing

26% are overweight or obese

50% feel pressure from school work

Suicide rate of 15 to 24 year olds increased from 10.3% per 100,000 in 2007 to

12.7% in 2016 (+2.4%)

Latest health research <u>67%</u> of ALL adults in Aus overweight or obese, projected to <u>83%</u> by 2025. (Australian Bureau of Statistics data for 2017-18)