

Kitchen Gardens 2020





The 'WHAT'

Project Aim: To establish a curriculum integrated (Cross-KLA) 'Kitchen Garden' program (1-2hrs p/wk) to develop students **educational** and **life** skills, utilising PLEEC's ongoing 'face to face' staff support.



Not an 'add on' but **timetabled** into the regular curriculum (1-2hr p/wk) with an alternating Kitchen & Garden lesson schedule all year.

A TPL day per semester/project via MyPL to facilitate staff collaboration.

Measurably increase student engagement and achievement of:

- Cross-KLA syllabus outcomes and sustainability (LAC); (research shows stronger student engagement & learning through collaborative 'real world' cross-KLA pedagogy);
- General Capabilities, including Literacy & Numeracy, Personal & Social Responsibility, Critical & Creative Thinking;
- 'Wellbeing Framework', including achievement, meaningful goals and enjoyment of learning.
- 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





Gardening in Schools A vital tool for children's learning

Ready to learn / Resilient / Responsible / The 3 Rs of school gardening



November 2011



Evaluation of the Stephanie Alexander Kitchen Garden Program





Public Schools NSW



Home

Teachers

Learning resources

Syllabus links

Policy advice

Programs

Funding

Research

Submissions

Students

School stories

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.

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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

Kitchen Garden Program

Kitchen and food gardens are an increasingly popular and effective way for schools to promote environmenta sustainability learning and to connect students with healthy food and lifestyles. By using the table below scho can link student learning outcomes across the curriculum to the various activities and seasonal cycles involve managing a kitchen garden and the preparation of fresh produce.

Curriculum Links to NSW K-6 syllabuses*

*Teachers were provided with curriculum links to the current NSW syllabus. As of 2014, NSW will begin a phased implementation new syllabus based on the Australian Curriculum.

Location	Activity	English	Mathematics	Science & Technology	HSIE	Languages	PDHP
	Planting seeds and seedlings			INVS2.7 LTS2.3 PSS1.5			
	Measuring plants			INVS1.7 INVS2.7 LTS2.3 UTS1.9			
	Identifying parts of a plant			INVS2.7 LTS2.3 LTS3.3		2.UL.1 2.UL.2 2.UL.3 2.UL.4 3.UL.1 3.UL.2 3.UL.2 3.UL.3 3.UL.4	



Measuring plant growth



5 Effects for students

This section explores the effects for students of participating in kitchen garden activities, and focuses on the areas of student engagement and learning outcomes. Syllabus outcomes have been addressed by teachers in their programming, as shown in Section 4.

Key findings

- All students expressed positive comments about the *Kitchen Garden Pilot* program in their school.
- According to teachers, the Kitchen Garden Pilot program works effectively in engaging all students, and particularly students with special needs.
- Teachers report that students are developing greater respect for each other and the school, as well as respect for community volunteers.
- Students exhibit a good knowledge and understanding about food; where it comes from and how to cook and prepare foods fresh from the garden.
- Teachers report that students understand the cycle of food production and the importance of sustainable food practices.
- Parents and teachers commented that students are beginning to make healthier food choices for themselves.
- Student leadership skills are being developed in many schools as a result of the *Kitchen Garden Pilot* program.



5.1.1 Benefits achieved for all students

When asked what they liked or did not like about the *Kitchen Garden Pilot* program, the overwhelming majority of students indicated that the garden made them "feel good". Students commonly referred to the garden as a peaceful and calm place, a place where it was "good to learn", and a place where you could feel "excited", "happy" and have "fun". This is exemplified by one student who liked:

"... [the] good time, fresh air, learning about plants, getting dirty; when you are bored you can get out there and do something."

Oxley Park PS









D















Chisholm PS









Cambridge Gardens PS









The 'HOW'

PLEEC leads program implementation;

• PLEEC 'Kitchen Garden' Teacher & Start Up Budget 2020:

•\$23,540 all inclusive (\$21k for teacher & \$2540 approx for

resources). DoE Sustainable Schools Grants **\$15k** per school.

- Allows for chosen 3-4 trial classes to participate (1 day/pwk) and scalable up to more over time.
- Surveys of participating students and staff will be conducted at the beginning and end of the project to measure impact
- RSVP Mon 18/Nov Email: branimir.lazendic@det.nsw.edu.au

Potential Legacy

2018 Teacher Feedback



Key

1 - I know what 'Sustainability' (LAC) means and how to effectively integrate it into my curriculum.

2 - I know how to effectively and meaningfully develop the syllabus 'General Capabilities' in my students. In particular Personal & Social Responsibility, Ethical Understanding and Critical Thinking and Problem Solving.

3 - I know how to address the syllabus KLA outcomes through authentic/'real world' and highly engaging (hands-on), teaching and learning experiences.

4 - I am able to lead my class to make tangible and 'real world' changes that help our natural environment.

5 - I feel confident to lead other staff and students to make changes that really help our natural environment.

6 - My students collaborate to effectively produce meaningful outcomes.

7 - My students have string sense of belonging to their class/school.

8 - My students know 'why' they are learning and engage with a clear purpose.

9 - Students in my class have the confidence to share their knowledge beyond the boundaries of the classroom.

Teacher Comments:

- 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.



Session	Monday	Tuesday	Wednesday					
			Class 1 - Tech RFF					
Morning	Class 4 - Science / SAKG	Class 5 - Science / SAKG	Scripture (9:30 - 10:00)					
	Science / SANG	Science / SARG	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					



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St Claire PS E.G







Super engaging!



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Why Kitchen Gardens?



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)