

Strategic Plan

2016 - 2018

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This year Klemzig School has been working together to identify new areas of learning and change in the school.

2015: The Site Improvement plan last year focused mainly on Numeracy. Our data shows we have made some real gains in Mathematics/Numeracy over the past few years, however we still have some more learning to do. In particular the data shows our students need to be better at using their mathematical knowledge to solve problems, by themselves and when collaborating with others.

For our *students*, this means more learning about Science, Technology, Engineering and Mathematics (STEM), and how to play collaboratively to improve learning. For our *staff*, this means more learning about Teaching for Effective Learning and how to design more challenging and engaging learning for students.

Our Strategic Plan 2016 – 2018 focuses on key areas of the school and ultimately what we want to achieve.

- ***Our Students:*** That our students are expert learners and innovative citizens.
- ***Our Staff:*** That our teachers and school service officers are skilled professionals who lead the learning for the adults and children in the school.
- ***Our Community:*** That our families and local community are confident in our ability to provide rigorous learning and quality care.
- ***Our Systems:*** That our business systems are efficient and our education processes make best use of our resources.



Science, Technology, Engineering and Mathematic

(STEM): Children early on develop concepts of themselves as scientists, mathematicians and innovators, they are naturally curious about their world and how it works. Research shows decreasing numbers of students studying STEM at higher levels, whilst at the same time STEM continues to increase as a future economic growth industry both locally and globally. Therefore, at Klemzig School students develop capacities to solve complex real world problems and develop skills of cognitive flexibility, innovation and enterprise.

Outcomes:

- Students can transfer their STEM knowledge, understanding and skills across learning areas.
- Students lead inquiries and investigations.

What did the students say.....

'We want to do real problem solving'

'We want to experiment'

'We really like STEM want to do more, regularly'



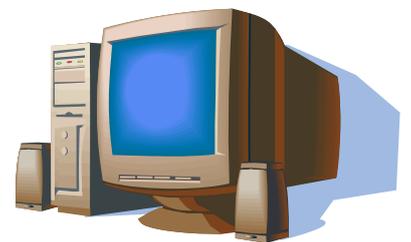
How can you help?

At home: You might have already seen advertisements on the television promoting this as a major initiative for the Federal government. When you see or read about new innovations take some time to talk to your children about these and get them to think about what scientists, mathematicians and engineers needed to know and do to make that happen. Even shows such as, 'The Big

Bang Theory' contains lots of opportunities to talk about STEM.

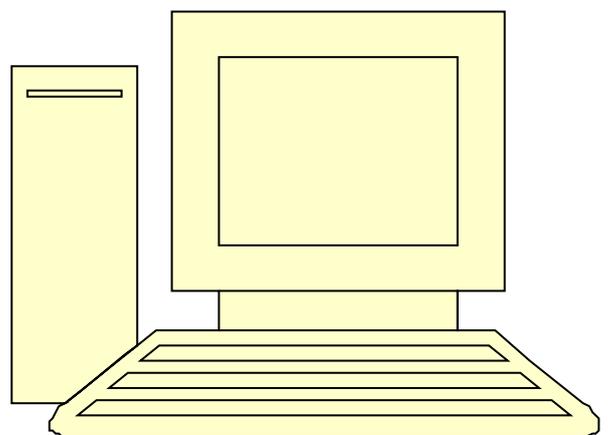
At school: We need to build up supplies of everyday items for students to use in their problem solving and design. If you have access to clean consumable items such as

If you or people you know are involved in STEM industries please let us know as we are always looking for real-life examples to help students understand the link between school-based learning and the community.



Helpful websites:

- <https://www.studentsfirst.gov.au/restoring-focus-stem-schools-initiative>
- <https://www.youtube.com/watch?v=zgB-Diy8imo>



Collaborative Play: *Children use play, outside, inside and conceptually, as their prime way of understanding the world and to learn about themselves and others. Research shows play is a powerful way of learning, relating and applying thinking in real situations for people of all ages. Therefore, at Klemzig School students learn to notice and develop executive functions (flexible thinking, impulse control and working memory).*

Outcomes:

- Students feel included socially and academically.
- Students lead the design of play based learning spaces, activities and groupings.



What did the students say.....

‘We want to play with rubber and wood and new equipment to build stuff’
‘We want more kids included in play, especially those with disabilities’
‘We want kids to be able to handle their emotions and co-operate better’

How can you help?

At home: *Help children make a choice about different types of play; inside, outside, digital, with family, with friends and by themselves. In particular children need to develop Executive Functions:*

- *flexible thinking – the ability to change the rules, approach things differently*
- *impulse control – the ability to persist, manage their emotions and reactions*
- *working memory – the ability to remember details and apply them later*

At School: *The school is setting up an area for students to use large everyday items to build imaginative things such as cubby houses, cars and trains. We are looking for large items that are clean and safe such as packing boxes, plastic pipe, tyres, crates, tables etc.*

Helpful websites:

- <https://www.kidsmatter.edu.au/families/about-behaviour/play/children-learn-through-play>
- https://www.ted.com/talks/stuart_brown_says_play_is_more_than_fun_it_s_vital?language=en

Teaching for Effective Learning

(TfEL): Teachers make the difference to students' learning which is too important to leave to chance. SA and global research shows a high-level focus on pedagogical practices that 'personalise and connect', 'develop expert learners', and 'create safe conditions for rigorous learning' makes a significant difference to student wellbeing and academic achievement. Therefore, at Klemzig School students co-design learning that increases intellectual challenge, promotes independence and interdependence and develops the capacity to self-regulate.

Outcomes:

- Students develop growth mindsets about themselves as learners. (A strong belief that they can learn and work their way through any learning challenge).
- Students are engaged in intellectually challenging learning.

What did the students say...

'We want to do more learning in the community like on excursions'

'We want less teacher talk and explanations'

'We want to work stuff out by ourselves'



How can you help?

At home: Spend some time talking to your child about what they learnt at school. Ask about how they worked out the more challenging learning and how they changed things to challenge themselves.

At school: teachers are always looking for volunteers to support individual or small groups of children so we can expand and tailor the learning for all children. To become a volunteer you need to see Olivia in the front office for a criminal history screening.

Helpful websites:

- www.learningtolearn.sa.edu.au
- <https://www.youtube.com/watch?v=zDZFcDGpL4U>

