Sabbatical Report
2014

Robin Staples
Principal
Southern Cross Campus
School visits
Nawton School
Hamilton

- Observed a lead teacher from 9am – 2pm
- Clear strategies
- Comprehension
- Vocabulary
- Confirmation of PD at SCC – Bobby Maths
- Alison Davis is awesome!
Secondary

• Porirua College
  • Buildings since last visit 10 years ago

• Neyland College, Nelson
  • Vocational Pathways – Northern South Island

• Naenae High School, Lower Hutt
  • NCEA results – ERO identified
education system dropping in world rankings, is the Kiwi curriculum keeping pace with the world and do enough children have full access to new technology?

**The school of the future**

Futuristic learning spaces like this one at Porirua College, near Wellington, are already being built around New Zealand. This state-of-the-art block, one of three at the school designed by Opus Architecture, caters for up to 150 students.

“Learning styles have to be more fluid and mobile than before,” says Bruce Curtain, business manager at Opus. “Teachers don’t stand at the front any more like they are on a stage. They instead act more like a ‘guide on the side’. It breaks the usual traditions of classrooms.”

- **Wet spaces**
  - Hands-on learning areas for art, science and technology

- **Toilets**
  - Located directly off central learning hub

- **Themed rooms**
  - Variety of furniture, colour and texture indicate different learning styles

- **Learning hub**
  - Open-plan area encourages collaborative learning. Students can exchange ideas and “cross-polinate” in a variety of spaces for presentations and group activities. Wifi access allows flexible learning

- **Separate rooms**
  - Seminar and video conferencing rooms

- **Modular rooms**
  - Classrooms can be joined together for collaborative learning

- **Environment**
  - Lighting, heating and ventilation designed for optimal learning experience

- **Visibility**
  - Windows between classrooms

- **Outdoor classes**
  - Covered spaces are an extension of the classroom

- **Withdrawal rooms**
  - To assist with independent learning

"Some schools are really..."
<table>
<thead>
<tr>
<th>Measure</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrolment</td>
<td>432</td>
<td>436</td>
<td>460</td>
<td>550</td>
<td>632</td>
</tr>
<tr>
<td>Attendance</td>
<td>80%</td>
<td>85.2%</td>
<td>89%</td>
<td>87%*</td>
<td>92% (Term 1)</td>
</tr>
<tr>
<td>Indigenous Attendance</td>
<td>75%</td>
<td>82%</td>
<td>83%</td>
<td>82.5%</td>
<td>88.5% (Term 1)</td>
</tr>
<tr>
<td>QCE</td>
<td>73%</td>
<td>84%</td>
<td>94%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>OP 1-15</td>
<td>58%</td>
<td>71%</td>
<td>100%</td>
<td>91.6%</td>
<td></td>
</tr>
<tr>
<td>University</td>
<td>5.1%</td>
<td>19.1%</td>
<td>26%</td>
<td>39%</td>
<td></td>
</tr>
<tr>
<td>QTAC Offers</td>
<td>71.4%</td>
<td>96.2%</td>
<td>92.6%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>NAPLAN NMS - Reading</td>
<td>63.5%</td>
<td>68.5%</td>
<td>70%</td>
<td>83.8%</td>
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<tr>
<td>Grammar and Punctuation</td>
<td>64.6%</td>
<td>64.3%</td>
<td>80.2%</td>
<td>72.2%</td>
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<tr>
<td>Spelling</td>
<td>75.6%</td>
<td>74.3%</td>
<td>85.2%</td>
<td>87%</td>
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<tr>
<td>Writing</td>
<td>75.3%</td>
<td>59.2%</td>
<td>53.8%</td>
<td>75.5%</td>
<td></td>
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<tr>
<td>Numeracy</td>
<td>73.2%</td>
<td>75%</td>
<td>87.3%</td>
<td>71.7%</td>
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</tr>
<tr>
<td>SOS - Parents</td>
<td>56%</td>
<td>85.3%</td>
<td>99%</td>
<td>95.4%</td>
<td></td>
</tr>
<tr>
<td>Students</td>
<td>43.3%</td>
<td>48.5%</td>
<td>83%</td>
<td>86.3%</td>
<td></td>
</tr>
<tr>
<td>Staff</td>
<td>76.5%</td>
<td>82.2%</td>
<td>90.9%</td>
<td>89%</td>
<td></td>
</tr>
</tbody>
</table>

*2013 – Change in formula used to calculate attendance
Nambour
Beacon
<table>
<thead>
<tr>
<th>Key:</th>
<th>Teacher fills in</th>
<th>Industry fills in</th>
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</thead>
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### Business Blackboard

<table>
<thead>
<tr>
<th>School</th>
<th>Woree State High School</th>
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</thead>
<tbody>
<tr>
<td>State</td>
<td>Queensland</td>
</tr>
<tr>
<td>Lesson Title</td>
<td>Working with Manufacturing Specifications</td>
</tr>
<tr>
<td>Unit/Topic</td>
<td>Measuring Engine Components</td>
</tr>
</tbody>
</table>

Cummins is a global power leader that designs, manufactures, sells and services diesel engines and related technology around the world. Cummins serves its customers through its network of 500 company-owned and independent distributor facilities and more than 5,200 dealer locations in over 190 countries and territories.

This business blackboard has been developed to target Year 12 curriculum with the flexibility to adjust to suit other year levels.

<table>
<thead>
<tr>
<th>Year Level</th>
<th>Proposed initial date- Thursday May 15, 2014</th>
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<tbody>
<tr>
<td>Time &amp; Date</td>
<td>Students will learn the importance of measurement and calculation in Engineering.</td>
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</table>
Academies
SCITTC Picnic Tables supporting our community

The SCITTC is proud to support Metropolitan Caloundra Nippers in 2014 through our presentation to the club of picnic tables to enhance the outdoor space.

Met Caloundra President Phill Ashworth said “It is great to see kids and families together enjoying the space weekly at BBQs and the tables have helped to develop a great space for all.”

In 2012 we were proud to donate tables to Caloundra AFL Club to assist with the enhancement and rebuilding after the fire in 2012.

We are proud to be able to give back to our local community through our students great work.

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Sunshine Coast Technical Trade Training Centre

SCITTC STUDENTS ARE A STEP AHEAD IN THE EMPLOYMENT MARKET

In September the SCITTC will take applications for programs offered to year 11 and 12 students enrolled at Sunshine Coast High Schools in 2015. Students are invited to apply for a limited number of positions...
Exercise 135.BWPC Root Pass Backhand Level 1

Motion video shows correct gesture. Observe video to find correct body and tool position. Click on start exercise when ready.

Selection of parameters such as welding position
Teaching? Click here to visit The Mind Lab by Unitec open home.

http://themindlab.com/
Automation

- 3D printers
- Router control
- Manufacturing processes
Program Start

RemoteControl : [UP_KEY] {
    Motor : [LEFT_MOTOR_1]=[Forward,6],[RIGHT_MOTOR_1]=[Forward,6]

    End
}

RemoteControl : [DOWN_KEY] {
    Motor : [LEFT_MOTOR_1]=[Backward,-5],[RIGHT_MOTOR_1]=

    End
}

RemoteControl : [LEFT_KEY] {
    Motor : [LEFT_MOTOR_1]=[Forward,5],[RIGHT_MOTOR_1]=[Backward,-8]
LMS for SCC?

Learning Management System
Possible LMS

• MoodleRooms? https://www.youtube.com/watch?v=3eUhuWWugbw
Mobile Learning

- 75% of text messages are read straight away
- Angelia Ruskin University
- AGC Group
- Massey University and Canterbury University
- Avondale
- Western Springs College
LMS

• Work to decision by BOT in Sept
• Partial implementation in 2015
• Full implementation 2016

• Blackboard Collaborate
• Blackboard Poll App
• Ability to make our own apps
Blackboard products

K-12 Solutions

Teaching & Learning
Make teaching and learning more effective in and beyond the classroom.

Communications
Reach parents, teachers, staff, and administrators with relevant information quickly.

Partnerships
Reach your goals with support from our network of K-12 partners.
The Blackboard Mobile™ Learn platform takes interactive teaching and learning mobile, giving students and educators access to their courses, content and organizations on a variety of devices including iOS® and Android™ smartphones.
5 Step approach to Thinking

1. Question
2. Probe the possible
3. Diverge
4. Converge
5. Re-evaluate Relentlessly

Thinking in New Boxes – Brabandere and Iny
Boston Consulting Group
Question
• Doubt everything
• All ideas are hypotheses from within
• Challenge
• Are we constrained by old thinking to develop new perceptions?

Reevaluate
• Reelentless
• Discard old ideas
• when is it time for a new approach
• is it sustainable?

Probe the Possible
• refine questions
• identify essential changes

Diverge
• best way to have a good idea is to have lots of ideas
• Inductive

Converge
• analysis
• test ideas to select the best idea
• Deductive
Darwin – a different context
Academic Success Guarantee
CAIRNS WEST STATE SCHOOL – ACADEMIC SUCCESS GUARANTEE

In 2013, Cairns West State School is committed to ensuring students who attend 95% or more of the school year will meet or beat their year level benchmarks.

In partnership with parents we are committed to doing whatever it takes at school, to individually case manage those students who do not meet these year level benchmarks.
NEIP
National Education Innovations Portal

- Targets priority learners in Australia
- Works with local communities
- Uses a recognition process to share success
- Analysis of practices and strategies
- Teleconference and webinars
- Builds local expertise
- Learning communities
Star Path Update

Years 9 and 10
Star Path Schools Database

• 38 Schools
• Data sets for 20,000+ students
  ➢ Y9 and Y10 asTTle Reading
  ➢ Y9 and Y10 asTTle Mathematics
  ➢ Y9 and Y10 PAT
    Reading - Vocabulary, Comprehension & Listening Comprehension
  ➢ Y9 and Y10 PAT Mathematics
• Our contact: Dr Earl Irving
Listening

• Listening Comprehension results are low

• What is effective listening instruction?
Star Path

• Aaron Wilson challenges:

➤ What can we do to ensure that every lesson is a high-quality language-learning lesson?

➤ What progress have we made with collective literacy inquiry and problem-solving within and across subject-areas?
Rolleston School

Christchurch
Mangere East Primary School