Dear parents & caregivers

End of year expectations

With the end of the school year less than only four weeks away it is vital that the students of Goodna State School maintain the very highest expectations for themselves right up until the very last day. This includes the highest standard of behaviour and conduct, wearing the school uniform, and being at school, on time, every day.

Students at Goodna State School are engaged in rigorous, purposeful learning right up until the last week of school when celebration activities take place. Learning starts at 8.30am sharp.

Unfortunately we still have too many children arriving late for school without good reason, and as you can see from this graph, the number of children attending school 85% or less is getting bigger. As you can see in semester one more than a quarter of our students are represented in the red. Children who miss school frequently are missing out on valuable learning.

Yours in quality education,

Lee Gerchow
Principal

NOW TAKING ENROLMENTS FOR PREP 2017
If you have a child or know of a child born between 1 July 2011—30 June 2012 please contact the office for an Enrolment Pack
Ph: (07) 3437 9333
From the Deputy Principal

Attendance – EVERY DAY COUNTS!

Remember, *successful* students are at school, on time, *every* day!

- **End of term attendance party**
  Students throughout the school with the best attendance will be invited to participate in an end of term party to celebrate and reward their excellent efforts. **Well done to all students who are maintaining outstanding attendance.**

- **Class / Year level attendance award**
  The classes and year level with the best attendance throughout the term will receive attendance awards and prizes, presented at assemblies. **Year 6 still in the lead!**

This fortnight’s Peace Code focus is: **Find help!**

Showcase Awards night and Goodna State School STEM display

Last Wednesday evening, we celebrated our annual Showcase Awards night to acknowledge the incredible achievements of students at our school (academic, musical, cultural, sporting, STEM, citizenship). It was a wonderful night which highlighted the amazing skills and talents of students. A huge thank-you to all staff, students and community members who were involved in the organisation of the celebration. Congratulations to everyone who received awards and were acknowledged for their efforts and achievement.

In addition to the presentation of the awards, we also highlighted the outstanding and innovative STEM initiatives on offer at Goodna State School through a wonderful, interactive STEM display at the back of the hall. As students and parents entered the hall, they were greeted with an array of Science, Technology, Engineering and Math related demonstrations. The exhibition of these STEM initiatives from within our school was an amazing acknowledgement of the efforts and commitment of both staff and students to increasing the opportunities for students to engage in such innovative programs. Please read on further in the newsletter for more information and pictures.

Feel free to contact me if you would like any further information.

Daniel Dempsey
Deputy Principal

TUCKSHOP NOTICES:

**Monday & Tuesday – CLOSED**

**Wednesday – Friday – Open**

**LAST DAY** for 2016 – Friday **25/11/2016**

To provide information at your fingertips with upcoming events, photos, newsletters, community and general information visit: [www.facebook.com/GoodnaStateSchool](http://www.facebook.com/GoodnaStateSchool) and our website [www.goodnass.eq.edu.au](http://www.goodnass.eq.edu.au) or download the free [QSchools](http://www.qschools.com) app available through the App Store on your smartphone.
Rise of the machines ..

2016 STEM Showcase Awards

Semiautonomous technology: William 3S, Jack 5H and Angela 1R, program Ozobots using colour algorithms.

Congratulations Angela! Junior Coder of the Year, 2016.

Goodna State School’s annual awards night exceeded expectations, featuring a suite of technologies, including Ozobots, robots, drones and 3D printers.

“The robotics theme recognises the importance of digital technologies in the National Curriculum.”

Dan Dempsey, STEM coordinator, Deputy Principal

Mrs Jay Page is the engine room behind the school’s many coding initiatives.

She wishes to thank Josie, Angela, Olivia, William, Tyler, Jack, Kayleigh, Trinity and Kiara for supervising the coding on the iPads, the dancing Ozobots and the My Romos robots. These kids also shared information from the Maker Space program.

Come with me if you want to code: Super coder Jay Page mentors Kiara to win Senior Coder of the Year, 2016.
Making **space** for imagination and play

**Goodna State School STEM Show Case Awards 2016**

Tech **Go-to-Guy**, Dan Dempsey, has built our [Maker Space](#) program from the ground up.

Gadget guys and girls gather twice a week to design and build with found objects, electronics and recycled consumables.

Nice work Dan, Josie and Tyler. And no, that water bottle isn’t Mr Gerchow’s Maker Space contribution.

**Recognition**: Josie 1W, and Tyler 5R, join Mr Dempsey and Mr Gerchow with their Maker Space awards at the inaugural STEM Showcase Awards evening.

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**Engineering Awards**

Mr Harvey Yates holds a degree in Environmental Science and is a mountain and road bike enthusiast. He hosts GSS’s [Engineering Club](#).

Designing the future: Two students take out the Engineering Awards for 2016.

**DNA**

Professor Peter Doherty award winner Mrs Williams, and Kayleigh 3M, extract DNA from Kiwi Fruit.

"**Innovative uses of technology will define schools of the 21st Century**": Mr Dan Dempsey

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Deputy Principal, Dan Dempsey, sees the integration of digital technologies as a major challenge facing schools.

“The kids used our 3D printer to make their own name badges for this evening’s event. It’s a small example of how we use our suite of technologies for a purpose,” said Mr Dempsey.

“We have plans to use the drone to map koala habitat at Mutdapilly west of Ipswich. It’s an example of where we want to head with technology in the school,” added Mr Dempsey.

**Lift off**: An 1Y and Mr Harvey Yates pilot the school’s Phantom 4 drone at the inaugural 2016 STEM Showcase awards night
It’s all in the DNA!
Hands on Science a winner at GSS

In the mix: 3A teacher Melinda Ah Sam and Ipswich Deputy Mayor, Paul Tully, extract DNA from Kiwi fruit

DNA is held inside every cell of every living thing.

Senior science teacher Mrs Williams said simple DNA extractions can be performed with common household items and a piece of fruit.

“Initially, the cells are physically mashed, and the cell membranes are chemically opened using a DNA extraction buffer consisting of a mixture of water, detergent and salt. The detergent breaks up the fatty cell membranes just as washing up liquid cleans grease off dishes. The salt binds to the DNA while it remains in the solution,” said Mrs Williams.

This is the first and messiest part of the process that involves scooping and mashing the pulp of the kiwi fruit.

Mrs Williams said the cellular debris is then separated from the liquid by passing it through a paper towel and tea strainer.

“95% cold alcohol is then gently added to the top of this collected extract, forcing the DNA/salt mixture to precipitate out of the solution. The stringy DNA is subsequently scooped out with a paperclip from the interface between the two liquids”, Mrs Williams said.

Mrs Williams holds First Class Honours in biotechnology from the University of Queensland. She is a qualified high school science and mathematics teacher and uses this suite of expertise to help prepare our Year 6 students for the rigours of the secondary school Science, Technology, Engineering and Mathematics (STEM) curriculum.

“The goal of a process-orientated science curriculum is to create scientifically literate and critical citizens”, said Mrs Williams.
EVERYDAY LANGUAGE TIPS – STORY TELLING

How can I help my child tell a story?

- **Read stories to your children**: To tell a story, children need a lot of exposure first. This introduces them to characters, plot lines, complications and dialogues between characters, as well as new vocabulary.

- **Sequence**: Talk about what happens in the correct order. You can use the words such as “first”, “next”, “then”, “before”, “after” etc. to help your child organise his/her thoughts.

- **‘Wh’ Questions**: Ask “who, where, what, why, how?” These questions should be answered by a good story.

- **Use adjectives** (e.g. happy, gigantic) and **adverbs** (e.g. quickly) to describe the characters, settings and other details in the story. This will help to make the story more interesting. You can discuss with your child about story details such as how the characters/objects/place look like, feelings, movement etc.

For further advice / ideas on how you can help with your child’s language development please contact the school.

Heidi Yau & Gill Lovie
Speech Language Pathologists

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**YEAR 6 GRADUATION**

WHEN: Tuesday 6th December (week 10)
TIME:  Students arrive from 5:30pm; official start 6.00pm until approx. 7:00pm.
WHERE: Goodna RSL Function Room (the blue building, 112 Brisbane Terrace)
DRESS: Formal

Light finger food **for students only** at the end of the ceremony.

Due to limited seating each student will receive **2 guest tickets** to give to whomever they choose, issued on Friday 2nd December. These **must be presented on the night**.

MSP Photography (the school photographers) will be there and parents can purchase photos from them directly online from the following day (nothing to do with the school and completely optional).

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**Card s by Candleligh t**

Wednesday 30th November 2016
GSS oval, Stanley Street Goodna

- 4:45pm—5:45pm: Year 5 market and general stalls
- 6:00pm—7:45pm: Carols by Candlelight
  * Performances Kindy to Year 6
  * Choir and Pacifica Group
  * Salvation Army Band, Songsters and Timbrels
  * Miss Kalisha Soe
  * Goodna State School Staff Choir
  * SANTA

**GOLD COIN DONATION ENTRY** – to support Salvation Army

**BATTERY CANDLES FOR SALE $2**

**SAUSAGE SIZZLE, HOT FOODS, DRINKS, COFFEE VAN**

**BYO CHAIRS AND PICNIC RUGS** – no seating provided