



# Newsletter



PARKTOWN HIGH SCHOOL FOR GIRLS

Tyrone Avenue, Parkview, Johannesburg 2193

Tel: 011 593 5900 Fax: 011 486 1828 Email: [postmaster@parktowngirls.co.za](mailto:postmaster@parktowngirls.co.za)

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## General News

### POTTED SPORTS COMMITTEE

The Potted Sports Committee raised R120 000 for Hotel Hope, an orphanage that looks after abandoned children in Melville. Thank you to the school community for all their contributions to the fundraising efforts this year, and to the Grade 11s who worked hard to raise this money. We know it will go a long way in supporting the children at the home.

*Miss Halley and the Potted Sports Committee*

### 2018 END OF YEAR ARRANGEMENTS

The school year ends on 12 December and full attendance is required in terms of legislation until and including this day. Learners may only be absent from school for valid reasons. Going on holiday early is not a valid reason.

All parents/guardians are reminded that in order for your daughter/ward to receive her school report on 12 December she must hand in a completed Clearance Form, Community Service Form and/or Work-shadowing Forms.

- The Clearance Form must be completed and handed to the Register teacher on or before 30 November.
- The Community Service and Work-shadowing Forms must be completed and the ORIGINAL forms handed to the Register teacher by 08:00 on 12 December.

A letter detailing year-end arrangements has been sent home and the reply slip must be returned and put in the relevant Grade box in reception.

### REPORT COLLECTION

Reports will be handed to learners at 12:00 on 12 December. If, in exceptional cases, the learner is not able to collect her own report, a letter requesting that another learner or adult may collect the report must be addressed to Mrs Megom by 30 November. A "permission to collect a report" slip will be given to the learner who must give it to the person who will be collecting the report. These reports may be collected from Barbet/Reception Office between 12:15 – 13:30 on 12 December or between 08:00 and 13:00 on Thursday 13 December. The Clearance Form, Community Service Form and Work-shadowing Form should have already been handed in. If not, the representative must bring them on the collection day.

### COMMUNITY SERVICE AND WORK-SHADOWING PROGRAMME

This year Grade 8 and 9s will complete a minimum of 20 hours Community Service and Grade 10 and 11s a minimum 20 hours of Community Service and/or Work-shadowing between Monday, 3 December and Tuesday, 11 December. The completed forms will be returned to learners for use when applying to universities.



## DIWALI ASSEMBLY

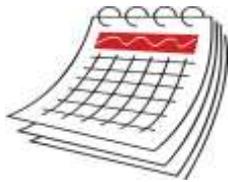
Our learners organised a Diwali assembly on Friday, 26 October which included song, poetry and dance performances embodying the spirit and universal message of Diwali.

“The message of Diwali is universal...it teaches us hope...it teaches us to look for the light in the darkness and to be courageous”. – Sonia Maharaj (Grade 10 learner)

We wish everyone celebrating Diwali on 6 and 7 November much love, light and happiness. Celebrate the festival in its true essence. Namaste. ॐ



## Dates to Diarise



09/11	Grade 10 and 11 exams begin
16/11	Grade 8 and 9 exams begin
22/11	Friends of Parktown
04/12	Exams end
12/12	Reports issued Grade 8 – 11
12/12	Term 4 Ends

## Uniform Shop

Please note the Uniform Shop hours during end of year exams. If you require assistance, please contact Miss Habana in the Finance Office on 011 593 5946.

<b>29/10/2018 – 02/11/2018</b>	<b>NORMAL HOURS</b>
<b>05/11/2018 – 09/11/2018</b>	<b>NORMAL HOURS</b>
<b>12/11/2018 - 16/11/2018</b>	<b>NORMAL HOURS</b>
<b>19/11/2018 - 23/11/2018</b>	<b>CLOSED</b>
<b>26/11/2018 – 30/11/2018</b>	<b>CLOSED</b>
<b>03/12/2018 – 06/12/2018</b>	<b>CLOSED</b>
<b>10/12/2018 – 14/12/2018</b>	<b>CLOSED</b>

## Academic News

### ENGLISH OLYMPIAD 2018



This year the English Olympiad girls achieved new heights. Of the sixteen girls who participated, five achieved gold certificates, seven achieved silver certificates, two achieved bronze certificates and two achieved merit certificates. These are outstanding results and all the girls who participated should be justifiably proud.

The theme for the 2018 English Olympiad was “War and Peace”. The anthology, and prescribed text, was entitled *We will remember them*, which consisted of a selection of poetry, and a language section which focused on the language of propaganda. These were challenging and important topics which our girls have shown themselves to be well equipped to discuss and analyse.

*Emily Barnes – 36<sup>th</sup> in South Africa*

Of the five gold certificates, Emily placed in the top 50 places in the country! In fact, she came 36<sup>th</sup>, which earns her a free tuition scholarship for her first year of any course of study at Rhodes University, upon the successful completion of her Matriculation examination. Well done, Emily! The other gold certificate achievers are Zayyanna Amod, Kiara Johnson, Tasneem Mahomed and Leia Singh.

## MATERIAL SCIENCE POSTER COMPETITION

Report by Teacher-in-charge, Mrs Field

Grade 10 Physical Science learners excelled in the annual Material Science Poster Competition, hosted by The Centre of Excellence in Strong Materials located at WITS. They were tasked with producing a poster promoting a strong material.

The properties of the material and current uses were to be included as well as future applications. The prizegiving function was held at the WITS Club on 18 October and guests were treated to a talk on how degrees in science and engineering could be part of taking Africa into the fourth industrial revolution. Professor Lesley Cornish, the Director of the Centre, also promoted the ubiquity of materials used in our daily lives and the exciting careers related to exploiting their properties. The girls all received goodie bags and vouchers and our prizewinners were:

- Vongai Mawoneke – “Graphene” Special Award for organisation of information
- Nothando Sithole and Payal Pandaram – “Inconel’s life at Parktown” Special Award for new and exciting material
- Ammaarah Badsha – “A Disappearing Act: Metamaterials” 3<sup>rd</sup> Place overall (R5 000 for the school)
- Siphosihle Mbongo, Rendani Tshitangano and Temoso Molebatsi – “We can. We Aluminise.” 1<sup>st</sup> Place Overall (R15 000 for the school)



We are very proud of our Physical Science learners! (See last page for winning poster)

## Cultural News

### PUBLIC SPEAKING

In our first year of Public Speaking, we are so proud of the six learners who participated in the national finals for two competitions this year!

Tip of the Tongue Competition:

The finals were held on 16 October at Midstream Ridge Primary School in Midrand and schools came from as far as the Western Cape to participate! We are very proud of Fadzai Matanhire for achieving 1<sup>st</sup> place in the Grade 9 Entertainment Speech category, and Aamena Patel for achieving 3<sup>rd</sup> place in the Grade 9 Motivational Speech category.

South African Literacy Association Competition:

The finals were held on 20 October at Kragbron Primary School in Emalahleni, Mpumalanga. The standard of speakers was incredibly high with schools from all over the country competing. Our learners (Tiffany Arendse, Chiddimma Nwokedi, Tasneem Howlader and Yusra Munir) all delivered excellent speeches and learnt so much from listening to the diversity of speeches presented. Well done, girls!



Above in photo from left: Fadzai Matanhire and Aamena Patel

## MODEL UNITED NATIONS DEBATING

Every generation, every nation and every community have their own idea of an ideal leader. Often, we perceive a leader to be a recognised, wise old man, or woman who has had countless years of experience. However, on 15 September, together with 300 passionate delegates from six provinces across South Africa, the Model United Nations team came to the realisation that leadership is so much more than the generic and outdated face that society views it to be. We understood that we cannot allow our leaders to be complacent and dictate our futures. This sentiment was at the forefront of the annual South African Institute of International Affairs Johannesburg Model United Nations Conference. Together, Rumaanah Samsoodien, Courtney Rocher and Tanweer Madhi represented The Russian Federation in the United Nations Security Council debate, and we engaged in vigorous negotiations regarding the solution to the Syrian Civil War. At first, negotiations were tense, however our perseverance and passion paid off as we were awarded a bronze trophy for the best delegation.

On 19 October, Zafirah Samsoodien, Munnira Katongole and Tanweer Madhi participated in the SAIIA Model Legislature Conference held at WITS. Here, we were tasked with creating a Joint Youth Statement regarding human settlements, the environment and tourism for submission to the Gauteng Provincial Legislature. We competed against the top independent schools from across Gauteng and teams from University of Pretoria, UJ and WITS and we were placed 2<sup>nd</sup> for best delegation.

These unique experiences have allowed the MUN teams to gain an in depth understanding of our responsibility as leaders, and the need to pioneer policy-making. After all, we are the ones who we have been waiting for, and if we are not given a seat at the policy-making table, we will bring our own folding chairs.

- *Model United Nations Team*

## Sport News

### TENNIS

Our tennis girls have completed their matches for the year and achieved the following results. We also hosted the Junior Inter-high Tennis on Saturday, 27 October where our Junior team placed 21<sup>st</sup>. Well done to all our tennis players for their hard work.

Opposition	A and B Team	C and D Team
Crawford Sandton	Won 39 - 24	Lost 26 - 37
St Mary's	Won 32 - 31	Lost 16 - 47



*Meghan Seaborne (left) and Angela Hudleston*

### WATER POLO

Our water polo girls played their last two league matches for the year. Well done to the teams for finishing on such a high against Kingsmead College.

	First Team	Junior Team
Kingsmead College	Won 11 – 4	Lost 1 – 12

Our U15 Team competed in the Roedean Water Polo Festival from 18 - 21 October. Matches were played at both St John's College and at Roedean School. Our girls had a very tough pool against some of the top water polo schools in the country. Well done to our girls for placing 18<sup>th</sup> out of 24 schools. The highlight of the tournament was beating Randpark High 6-3.



*Top: Junior Water Polo Team at St John's College*

## SUN CITY SWIM

For the first time Parktown took a group of swimmers to participate in the Sun City Open Water Swim



on Saturday, 20 October. We had a total of 22 swimmers who swam the 1.5km race. We left school at 05:00 in anticipation of an exciting day. The girls were nervous once they saw the big lake and received their race packs which included a racing chip, tag with their race number, swimming cap and goodies from all the sponsors including magazines, energy bars and Vitamin B boosters, etc. Reece, our swimming coach, swam in the 3km swim, which took place early and then stayed with the girls to make sure they

warmed up properly and set them off for the race which started at 11:30. The girls swam incredibly well and were very proud when they got to the finish line and received their medals. After the swim the girls quickly packed up their things to go and enjoy the rides at the Valley of the Waves.

This was a very successful day and will most definitely become an annual event on our school swimming calendar. It worked particularly well as a motivator to keep training in the off-season. Thank you to Mr Manane for driving the sprinter and Miss van Eyk for driving the combi. Thank you to Mrs Roos for organising the swimmers and the event.

*Right: Izabella Sparrow, Emma Hall and Elizabeth de Jager*

## SPRING SPORTS FESTIVAL

Thanks to our finance department who have calculated that we raised R15 900 from the Spring Sports Festival.

Thank you to all the assisted before and on the day, and especially to the group of parents who assisted with the food and drink sales.



## INTRODUCTION TO PARKTOWN SPORT

We have started our 'Introduction to Parktown' Sports programme for the Grade 7s who will be joining us next year in Grade 8. The idea is to introduce them to some of the sports that are not generally played in primary schools so that they can have a better idea of what these sports are about before they choose which sports they would like to play next year. This also gives them the opportunity to make some friends before the daunting first day of school in 2019. Thank you to the coaches and teachers who are involved in this programme.



## NETBALL AND TENNIS COURTS

The relaying of our netball and bottom tennis courts have started. The progress is looking very good and we look forward to our brand new courts ready for Term 1 2019. Thank you to Mr Darrington who has been managing this process.

## THE SOLE SURVIVORS

### Sole Survivors finally tackled the stairway to heaven

On our penultimate walk for the year we decided that the famous Westcliff Steps were calling us.

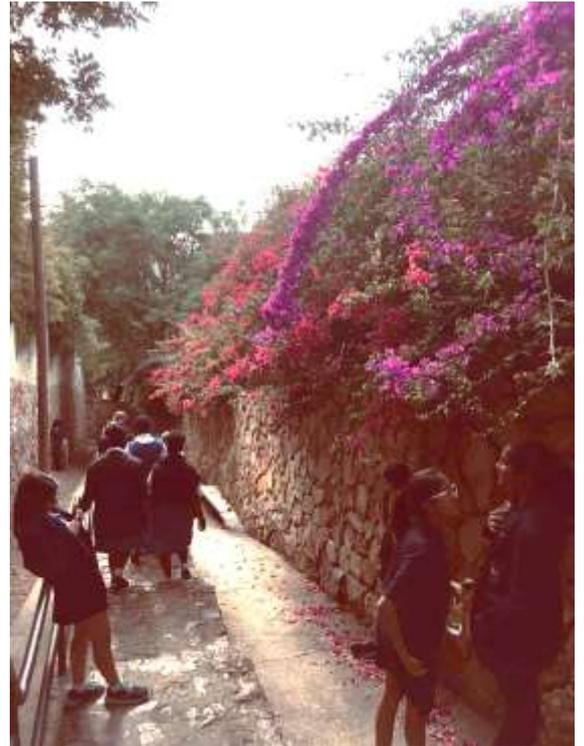


The stairs were apparently built by unemployed miners during 1922 from the rock in the area. It was a hot afternoon and twenty sole survivors started off at a fast pace and before we realised what we were getting ourselves into, we were standing at the bottom of the 210 steps snaking up almost vertically. They looked daunting and beautiful with colourful bougainvillea cascading over the walls of the impressive homes on either side.

With the steps daring us to conquer them we started our ascend without much delay. The last twenty steps required us to dig a bit deeper but the reward at the top was

amazing. The gorgeous view over Johannesburg especially at this time of year with the Jacarandas in full bloom made it all worthwhile.

Sole survivors you rock!!



📞 Reece Turner: 064 687 4530 ✉ reece.turner6524@gmail.com

**Tri-Star Aquatics is the swimming club based at Parktown Girls and is run by Reece Turner who is the school's head swimming coach. Please contact him directly for further information regarding the club training.**

## OUTSIDE ADS

THE SCHOOL ACCEPTS OUTSIDE ADVERTISEMENTS. WE ARE UNABLE TO TAKE RESPONSIBILITY FOR THE NATURE AND QUALITY OF THE SERVICES OFFERED



2018

# TREE OF LIGHT

SHINING A LIGHT ON LOVE

25th of November 2018

- At Joburg Zoo
- 5pm - 8pm
- Free Entrance

Hospice Wits  
word to caring

Winner poster for the Material Science Competition. Well done girls!

Siphosihle Mbongo  
Rendani Tshitangano  
Temoso Molebatsi

# WE CAN. WE ALUMINISE

Mrs K. Field

Parktown High School For Girls

Aluminium (the second most used metal after iron) is a silver to light-grey metal.

## OBJECTIVE

This metal was chosen because according to duration.co.uk, it is "arguably the most sustainable building material in the world", this being due to the fact that it reflects and estimated 95% of the sun's rays. It is "highly recyclable". This metal is also extremely abundant and lightweight making it easy to transport.

## DISCOVERY

Because Aluminium does not occur in its purest form, it was only discovered by Hans Christian Ørsted in the 19th century therefore it is one of the newest metals to be discovered by humans.

### ADVANTAGES ON RECYCLING

According to professorhouse.com, the amount of Aluminium thrown away each month is enough to rebuild every commercial airplane in America.

By using recycled aluminium to manufacture planes, less waste is produced, and the metal can be used sustainably

### SYNTHESIS

Extraction of the ore (Bauxite). Followed by the purification of said Bauxite to alumina (pure aluminium oxide.) Then synthesis of cryolite (Sodium hexafluoroaluminate) and Aluminium Fluoride to be used in a later stage, which is electrolytic reduction of aluminium oxide to aluminium.

### Physical Properties:

1. Melting point is 660 degrees and boiling point is 2500 degrees
2. Density is 2,70 g/cm cubed
3. Oxidation number is 3
4. Shiny, silvery white in colour and ductile
5. Strong and relatively light in weight

### FACTS

- It takes energy to make aluminum from scratch. The energy you save by recycling a single aluminum can will run a TV for three hours.
- Approximately 350,000 aluminum cans are made in a minute.
- A long time ago, aluminum was a much more valuable metal than gold or silver.

### Chemical Properties:

1. Aluminum metal is obtained from pure molten  $Al_2O_3$
2. Reactive to both Acids and bases.
3. Has good solubility in diluted acids.
4. Ability to reduce certain elements and their compounds.
5. Is a highly electropositive element.

## APPLICATION

### CURRENT

- Long distance transmission of electricity as it is lightweight and a good electrical conductor;
- The transportation and aerospace industries due to its strength, workability and light weight;
- Refrigeration, air conditioning and heat exchange systems due to its excellent thermal properties and resistance to corrosion;
- Packaging as it is highly malleable so can be rolled and formed into very thin sheets.

### FUTURE

- 3D Printing: aluminium powder is often used to print fully functional parts as well as separated parts that are strong, precise and can handle details of 0,25 mm.
- Sustainable Energy: multi-strand, high-quality aluminium cable with installation, cost and safety advantages that make it perfectly suitable for down-tower wind turbine applications.
- Unsinkable Ships: aluminium foam is produced by adding foaming gas into the liquid metal during the re-melting of the material. By adding porosity to aluminium, it can become lower density than water, and therefore unsinkable.
- New Power Sources: aluminium-based powder produces hydrogen when exposed to water, allowing power to be generated quickly and easily.

### Mechanical Properties:

1. High resistance to corrosion.
2. Good workability
3. Can be damaged without failure.
4. Good tensile strength
5. Has elongation of 25-30%

### CONCLUSION

In conclusion, aluminium is one of the most sustainable building metals in the world. Research has shown that recycling this metal is the way to go as less waste is produced and energy is conserved. Some of aluminium's properties such as its light weight, strength, electrical conductivity, malleable nature, resistance to corrosion and workability make it the reason why it can be used effectively in future applications such as 3D printing and new, alternative power sources.

### Electric Properties:

1. High electrical conductivity
2. Pure aluminium is an electric insulator

Referencing:  
<http://www.aluminium.org/aluminum-sustainability>  
<https://www.aluminiumleader.com/history/industry-history/>  
<https://www.professorhouse.com/recycling-aluminum-cans-fun-facts/>  
<https://www.azom.com/article.aspx?ArticleID=320>