

GAUTENG PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

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| Ref: 24/1/2/1/4 |

DISTRICT MEMORANDUM 109 OF 2016

**TO : PRINCIPALS OF IDENTIFIED PUBLIC PRIMARY,
INDEPENDENT AND MIDDLE SCHOOLS**

**FROM : MRS H E KEKANA
DIRECTOR: TSHWANE SOUTH DISTRICT**

DATE : MAY 2016

SUBJECT : MATHEMATICS OLYMPIAD CHALLENGE: GR 4-7

The purpose of this memo is to invite all schools in the Tshwane South District to participate in the Mathematics Olympiad Challenge for grades 4 - 7.

The main aim for this challenge is to support the majority of our learners to master the four basic operations and to develop learners problem solving skills aligned to the Curriculum and Assessment Policy Statement.

Selection Of Learners:

Schools may conduct their own internal class and schools Mathematics Olympiad challenges in order to identify the **two best learners in each grade** to represent the school at circuit level.

Break Down Of the Mathematics Olympiad Challenge:

Grade 4-6: Mental (80%) Problem Solving (20%)

Grade 7 : Mental (70%) Problem Solving (30%)

Preparation Of Learners:

- **Mental Maths** practice programmes may be used by educators **daily during the first ten minutes** of the one hour Mathematics period. (Focus on testing **speed and accuracy**)
- **Problem solving section:** previous years Amesa, Conquesta Olympiad, Annual National Assessment papers and other general resources will be used to set problem solving questions from.

Making education a societal priority

Office of the District Director: Tshwane South

(Mamelodi/Eersterust/Pretoria East/Pretoria South/Atteridgeville/Laudium)
President Towers building, 265 Pretorius Street, Pretoria, 0002
Private Bag X198, Pretoria, 0001 Tel: (012) 401 6317; Fax: (012) 401 6318
Website: www.education.gpg.gov.za

- Maths educators are reminded **not** to use more than ten minutes daily in order to implement internal Mental Maths Programme, as this will impact negatively on curriculum coverage.
- All schools are encouraged to prepare further practice activities and conduct internal Maths Olympiad challenges at class and at school level with the aim of catering for **maximum learner participation**

| Grade | Section A | Section B |
|-------|---|--|
| 4 – 6 | <p>Mental: (80 sums to complete. The fifth learner to complete will determine the end time)</p> <ul style="list-style-type: none"> • Addition, subtraction, multiplication up to 10x10 (Gr 4), 12 x 12 (Gr 5 & 6) and division of whole numbers. • Doubling and halving. • 0 in terms of its additive property. • 1 in terms of its multiplicative property. <p>(Criteria: Speed and Accuracy)</p> | <p>Problem Solving: (10 multiple choice questions to complete in 30 minutes)</p> <ul style="list-style-type: none"> • Amesa, Conquesta Olympiad, ANA type questions and other general resources for Problem Solving across all five Content Areas. |
| | | <p>Tie Breaker:</p> <p>Mental: In the case of a tie, time will be used to determine the winner.</p> <p>Twenty additional mental sums may also be given to determine the winner.</p> |
| 7 | <p>Mental : (70 sums to complete. The fifth learner to complete will determine the end time)</p> <ul style="list-style-type: none"> • All 4 operations (multiplication up to 12 x 12) • Including Bodmas, integers, decimals, fractions, ratio and rate, square and square roots, cube and cube root numbers. <p>(Criteria: Speed and accuracy)</p> | <p>Problem Solving: (15 multiple choice questions to complete in 45 minutes)</p> <ul style="list-style-type: none"> • Amesa, Conquesta Olympiad and other general resources for Problem Solving across all five Content Areas. |

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The tentative management plan for the Mathematics Olympiad is as follows:

| DATE | TIME | VENUE | ACTIVITY |
|----------|--------------|---|---|
| Term 2 | Internal | Internal arrangements | Internal Class & School Challenges |
| 23/06/16 | 8:00 - 14:00 | PLC Leaders School/ fax/ email | Submit name list to PLC leaders |
| 04/08/16 | 13:45-16:00 | To be confirmed by Curriculum Forum Leaders | Circuits 1-5 Challenges |
| 10/08/16 | 8:00– 15:00 | Room No 6/42 President Building or fax to facilitator | Submit name list to facilitator (2 per grade) |
| 25/08/16 | 13:30-16:00 | To Confirm | District Challenge and Prize Giving |
| 17/09/16 | 8:30 - 15:00 | Johannesburg Central District (Host) venue to confirm | Provincial Challenge (Only for grade 6 and grade 9) |

Please note that the Province has taken a decision to conduct the Provincial level Mathematics Olympiad for grades 6 and 9 learner's for Category A and Category B schools only, due to the large number of learner participants at the Provincial level.

Memos will be sent out timeously to confirm the above mentioned dates and activities.

Please find the following documents attached:

- **List of circuit 1 – 5 schools**
- **Entry Forms For Circuit Level**
- **Professional Learning Community Leaders Details as per circuit 1 - 5 structure.**

Please note that due to budget constraints participating schools should make provisions for their learner's food requirements at the various challenges.

The school management teams of the schools are requested to encourage their Mathematics Departments to organize internal challenges and to participate in the Mathematics Olympiad at the various levels.

Yours faithfully


MRS H.E. KEKANA
DISTRICT DIRECTOR: TSHWANE SOUT

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**TSHWANE SOUTH DISTRICT
MATHEMATICS OLYMPIAD : 2016
ENTRY FORM: CIRCUIT LEVEL**

ATT: CURRICULUM FORUM LEADER: _____
EMAIL/ FAX NO: _____

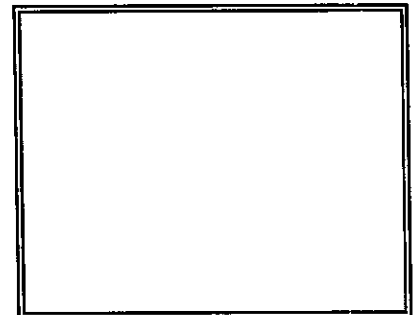
PLEASE PRINT CLEARLY:

| | | |
|------------------------|-------------|--------------|
| NAME OF SCHOOL: | | |
| TEL: | FAX: | CELL: |
| PRINCIPAL: | | |
| HOD: | | |
| EDUCATORS: | | |
| CIRCUIT NO: | | |

| | SURNAME: | FIRST NAME/S |
|----------------|-----------------|---------------------|
| Grade 4 | 1. | |
| | 2. | |
| Grade 5 | 1. | |
| | 2. | |
| Grade 6 | 1. | |
| | 2. | |
| Grade 7 | 1. | |
| | 2. | |

DUE DATE: ON/ BEFORE 23 JUNE 2016
: PLC Leader (Refer to attached list
With relevant contact details)

Principal's Signature



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**MATHEMATICS: PROFESSIONAL LEARNING COMMUNITY LEADERS
NAME LIST AND CONTACT DETAILS:
GRADES 4 – 6: 2016**

PROFESSIONAL LEARNING COMMUNITY LEADERS' 2016 INTERMEDIATE PRIMARY SCHOOL

| LEARNING AREA | CIRCUIT | NAME OF CURRICULUM FORUM LEADER | SCHOOL OF CLUSTER LEADER | E-MAIL | SCHOOL TEL | CELL | FAX |
|---------------|---------|---------------------------------|--------------------------|---------------------------------------|--------------|---------------------------|--------------|
| Mathematics | 1 | Dinah-Anne Claassen | Hennopspark Laerskool | akademies@laerskoolhennops park.co.za | 012 654 4308 | 082 7814 923 | 012 654 1663 |
| | 1 | Fatima Cassim (Assistant) | Hillside Primary | ishaak.cassim@iburst.co.za | 012 374 3185 | 082 786 6250 | 012 374 5663 |
| | 2 | James Selemela | Die Heuwel | dieheuwel@iburst.co.za | 012 386 5482 | 072 038 3758 | |
| | 2 | Victor Shikuhele (Assistant) | Matseke Primary | vicshikuhele@gmail.com | 012 373 8911 | 083 674 1982 | |
| | 3 | Sumari Pretorius | Anton van Wouw | sumarie@wouw tjies.co.za | 012 460 3024 | 083 799 3495 | |
| | 3 | Pravina Maharaj (Assistant) | Brooklyn Primary | deputy@brooklynprimary.co.za | 012 460 3238 | 083 259 9306 | 012 460 8884 |
| | 4 | Gary Brown | La Montagne | mrggbrown159@gmail.com | 012 807 4584 | 0836577506 | 012 807 4584 |
| | 4 | Nolwazi Lengolo | Umthombo Primary | notwazilengolo@gmail.com | 0784597240 | 0727319190 | |
| | 5 | John Mashilo Monyebodi | Mogale Primary | relebogilemonyebodi@yahoo.com | 012 801 6346 | 0822021216 or 074 5698923 | 012 801 3479 |
| | 5 | Judith Ngema | Impendulo P/S | ngemaa@saps.gov.za | 072 8639634 | 0728639634 | |

CIRCUIT 2: ATTERIDGEVILLE/PRETORIA WEST

CIRCUIT MANAGER: OUMA SELEKANE
012 401 6359/6360
083 578 9629

PUBLIC SCHOOLS: 40
INDEPENDENT SCHOOLS: 5

Ouma.Selekane@gauteng.gov.za

ADMIN: ANTOINETTE MATLALA

| CLUSTER 1 | CLUSTER 2 | CLUSTER 3 |
|--|---|---|
| GODFREY SELETSHA 012 401 6359 083 562 435 Godfrey.seletsha@gauteng.gov.za | (MR) P. MOHLAMONYANE 012 401 6325 082 562 6758 Pule.mohlamonyane@gauteng.gov.za | (MS) P. VATHEN 012 401 6359 082 562 4369 Ponyvathenathen@gmail.com |
| BATHOKWA PRIMARY SCHOOL | BANARENG PRIMARY SCHOOL | BOKGONI TECH. HIGH SCHOOL |
| EDWARD PHATUDI SECONDARY SCHOOL | DAVID HELEN PETA SECONDARY SCHOOL | BUD MBELLE PRIMARY SCHOOL |
| ESIKHISINI PRIMARY SCHOOL | DR WF NKOMO S/S | BURGHER RIGHT P/S |
| FLAVIUS MAREKA S/S | ENDERUN COLLEGE FOR BOYS | ELMAR INDEPENDENT SCHOOL |
| LAERSKOOL HENNOPSRIVIER | ISAAC MORE PRIMARY SCHOOL | HOFMEYR S/S |
| MAHLAHLE PRIMARY SCHOOL | KGABO PRIMARY SCHOOL | HOLY TRINITY IND. H/S |
| MASIZANI PRIMARY SCHOOL | MABAFENG PRIMARY SCHOOL | JJ DE JONG PRIMARY SCHOOL |
| MOTSWEDING PRIMARY SCHOOL | MAKGWARANENG PRIMARY SCHOOL | KALAFONG MIDDLE <u>LSEN</u> HOSPITAL SCHOOL |
| N'WA MHINGA PRIMARY SCHOOL | MATSEKE PRIMARY | KWAGGASRAND <u>LSEN</u> SCHOOL |
| PHELINDABA SECONDARY SCHOOL | PATOGENG PRIMARY SCHOOL | LAERSKOOL DIE HEUWEL |
| PHUTHADITSHABA PRIMARY SCHOOL | SEAPARANKWE PRIMARY SCHOOL | LAERSKOOL KWAGGASRAND |
| QUEENS PRIVATE COLLEGE | SEFAKO MAPOGO MAKGATHO PRIMARY SCHOOL | LAERSKOOL SIMON BEKKER |
| THOHO-YA-NDOU PRIMARY SCHOOL | ZODWA <u>LSEN</u> SCHOOL (FOR MENTALLY HANDICAPPED LEARNERS) | LAERSKOOL WESPARK |
| | | MAREMATLOU PRIMARY SCHOOL |
| | | PEPPS MOTHEONG PRIMARY SCHOOL |
| | | SAULRIDGE SECONDARY SCHOOL |
| | | ST ANNES PRIMARY SCHOOL |
| | | TRANSORANJE – <u>LSEN</u> SCHOOL FOR THE DEAF |
| | | WALTON JAMESON PRIMARY SCHOOL |
| 13 | 13 | 19 |

CIRCUIT 3: PRETORIA CENTRAL/PRETORIA EAST

CIRCUIT MANAGER: ANDRIES NKADIMENG

012 401 6336

082 564 0297

PUBLIC SCHOOLS:

38

INDEPENDENT SCHOOLS:

57

Andries.Nkadimeng@gauteng.gov.za

ADMIN: OLGA MASHOBA – INTERN (VACANT POST)

| CLUSTER 1 | CLUSTER 2 | CLUSTER 3 |
|---|---------------------------------|---|
| MRS S DHLAMINI 012 401 6336 082 564 0297 Shirley.Dhlamini@gauteng.gov.za | (Vacant) | (Vacant) |
| ACADEMY CHARITY TRUST (Rewrite Centre) | EVEREST ACADEMY | BROOKLYN CITY COLLEGE (Rewrite Centre) |
| AFRIKAANSE HOËR MEISIESKOOL | CARPE DIEM ACADEMY | BROOKLYN PRIMARY SCHOOL |
| AFRIKAANSE HOËR SEUNSKOOL | COURTNEY HOUSE | BROOKLYN MONTESSORI SCHOOL |
| ARCADIA PRIMARY SCHOOL | CRAWFORD PREPARATORY | CHRISTIAN BROTHERS COLLEGE MOUNT EDMUND |
| ATM SCHOOL (Rewrite Centre) | DUO EDU SENIOR ONAFH. SKOOL | DIE KRANS CHRISTELIKE ONAFHANLIKE P/S |
| BRITISH INTERNATIONAL COLLEGE | EDU EXCELLENCE | EASTSIDE P/S |
| DANSA INTERN. COLLEGE | EDUSON LEARNING CENTRE | HOËRSKOOL DIE WILGERS |
| ED-U-COLLEGE S/S | GLENSTANTIA P/S | HOËRSKOOL MENLOPARK |
| EDUSA COLLEGE (Rewrite Centre) | HOËRSKOOL GARSFONTEIN | L/S LYNNWOOD |
| FESTICOL HIGH SCHOOL | HOËRSKOOL WATERKLOOF | L/S MENLO PARK |
| FOUNDERS COMMUNITY | JINTEK VARSITY COLLEGE | LAERSKOOL PRETORIA-OOS |
| GREENWOOD COLLEGE | JONG LEERLING AKADEMIE | LAERSKOOL SKUILKRANS |
| HAMILTON PRIMARY SCHOOL | L/S ANTON VAN WOUW | LYNNWOOD MANOR PRIVATE SCHOOL |
| HARTLAND H/S (Rewrite Centre) | LAERSKOOL CONTANTIA PARK | LYNNWOOD RIDGE P/S |
| HATFIELD CHRISTIAN SCHOOL | LAERSKOOL ELARDUSPARK | MOONLIGHT INTERNATIONAL (STAR) |
| HIS GRACE PRE- & PRIMARY SCHOOL | LAERSKOOL FLEUR | PRETORIA BOYS' HIGH SCHOOL |
| LAERSKOOL JOPIE FOURIE | LAERSKOOL GARSFONTEIN | PRETORIA GIRLS HIGH SCHOOL |
| LAERSKOOL OOST-EIND | LAERSKOOL MONUMENTPARK | PRETORIA PREP. SCHOOL |
| LORETO CONVENT SCHOOL | NUWE HOOP LSEN SCHOOL | PRO-ED PREPARATORY |
| PRETORIA CENTRAL H/S | PRETORIA CHINESE SCHOOL | ST ALBAN'S COLLEGE |
| PRETORIA HOSPITAL SCHOOL LSEN | PRO ARTE ALPHEN PARK | ST MARY'S DIOCESAN SCHOOL FOR GIRLS |
| PRETORIA INSTITUTE OF LEARNING | PURE HOPE SCHOOL | ST PAULUS LAERSKOOL |
| PRETORIA PRIMARY SCHOOL | STRATFORD PREPARATORY SCHOOL | THE BRITISH ACADEMY |
| PRETORIA S/S | THE GLEN H/S | TIQWA SKOOL |
| PRETORIA TECHNICAL H/S | TUKSSPORT HIGH SCHOOL | TOMORROW'S PEOPLE IND. SCHOOL |
| PRINCESS PARK S/S & COLLEGE | UNICA LSEN SCHOOL | WATERKLOOF HOUSE PREP |
| PRINCEFIELD TRUST SCHOOL | WATERKLOOF P/S | WILLOWRIDGE HIGH SCHOOL |
| RIVERNORTH COMMERCIAL | WESLEYAN CHRISTIAN ACADEMY | WOODHILL COLLEGE |
| ROSTEC TECHNICAL COLLEGE | | |
| SANDTON TECHNICAL COLLEGE | | |
| SEDCO COLLEGE | | |
| SHEPPARD ACADEMY | | |
| SPRINGFIELD COLLEGE PRETORIA | | |
| ST AQUINAS COLLEGE (SUMMAT INST.) | | |
| SUNNYSIDE PRIMARY SCHOOL | | |
| TSHWANE COLLEGE | | |
| TSHWANE INST. OF TECHNOLOGY FOUND. IND. SCHOOL | | |
| TSHWANE S/S | | |
| WATERSRAND S/S | | |
| 39 | 28 | 27 |

CIRCUIT 4: MAMELODI WEST/ EERSTERUST/ DERDEPOORT

CIRCUIT MANAGER: PRUDENCE OLIPHANT
012 401 6322/6320
082 8204689

PUBLIC SCHOOLS: 38
INDEPENDENT SCHOOLS: 8

Prudence.oliphant@gauteng.gov.za

ADMIN: MONNIK VAN MEYEREN

| CLUSTER 1 | CLUSTER 2 | CLUSTER 3 |
|--|---|---|
| (Vacant) | MR J. GNADI 012 401 6327 082 557 4889 Jonah.gnade@gauteng.gov.za | MR LF MAKONDO 012 401 6328 082 557 8159 Lawrence.makondo@gauteng.gov.za |
| ANCHOR CHRISTIAN ACADEMY | BOHLABATSATSI P/S | AGNES CHIDI PRIMARY SCHOOL |
| CORNERSTONE COLLEGE | EMTHUNZINI PRIMARY SCHOOL | DR I M MONARE PRIMARY SCHOOL |
| DEUTSCHE SCHULE PRETORIA | F F RIBEIRA PRIMARY SCHOOL | EZAZI PRIMARY SCHOOL |
| EERSTERUST SECONDARY SCHOOL | FRED MAGARDIE PRIMARY SCHOOL | J KEKANA SECONDARY SCHOOL |
| HOËRSKOOL F H ODENDAAL | FUNANANI CHRISTIAN SCHOOL | JAN KOTLOLO PRIMARY SCHOOL |
| HOËRSKOOL SILVERTON | JAFTA MAHLANGU SECONDARY SCHOOL | MAMELODI SECONDARY SCHOOL |
| LAERSKOOL DERDEPOORT | MORAKOMA PRIMARY SCHOOL | MORETELE PRIMARY SCHOOL |
| LAERSKOOL LINDOPARK | NANTES PRIMARY SCHOOL | NDIMA PRIMARY SCHOOL |
| LAERSKOOL MEYERSPARK | NORRIDGEPARK PRIMARY SCHOOL | NELLMAPIUS P/S X6 |
| LAERSKOOL SILVERTON | ORA ET LABORA P/S | NELLMAPIUS PRIMARY SCHOOL |
| LA MONTAGNE P/S | PS FOURIE PRIMARY SCHOOL | NELLMAPIUS SECONDARY SCHOOL |
| LIGNO VITAE ACADEMY | SHIRINDA PRIMARY SCHOOL | THUTO BOHLALE S/S (Nellmapius Lethabong S/S) |
| MERIDIAN COLLEGE | TSHIMOLLO P/S | VUKANI MAWETHU S/S |
| MERIDIAN PRIVATE P/S | UMTHOMBO PRIMARY SCHOOL | |
| PROSPERITUS SECONDARY SCHOOL | ZAMINTUTHUKO P/S | |
| SONITUS LSEN SCHOOL | | |
| TRANSVALIA LSEN SCHOOL | | |
| VIA NOVA LSEN SCHOOL (FOR THE MENTALLY DISABLED) | | |
| | | |
| | | |
| | | |
| 18 | 15 | 13 |

CIRCUIT 5: MAMELODI EAST

CIRCUIT MANAGER: MR D S MOGOANE
012 401 6338/6342
082 564 1744

PUBLIC SCHOOLS: 42
INDEPENDENT SCHOOLS: 2

David.mogoane@gauteng.gov.za

ADMIN: GRANNY SETSWALO

| CLUSTER 1 | CLUSTER 2 | CLUSTER 3 |
|---|--|--|
| MR M A MDLULI 012-4016328 082-5625981 Mhlopheka.mdluli@gauteng.gov.za | MR M C GRADINGWANA 012-4016341 076-8918888 Vrodupgradingwana@gauteng.gov.za | MRS P C MALAPANE 012-4016341 082-5624694 Rebecca.malapane@gauteng.gov.za |
| BOPHELONG COMMUNITY IND. SCHODL | BAJABULILE PRIMARY SCHOOL | BALEBOGENG PRIMARY SCHOOL |
| LOMPEC IND. P/S & S/S | BOIKGANTSHO PRIMARY SCHOOL | BONA LESEDI SECONDARY SCHOOL |
| MODIRI TECHNICAL SCHOOL | GATANG SECONDARY SCHOOL | BULA-DIKGORO P/S |
| MONONONG P/S | IMPENDULO P/S | EMASANGWENI P/S |
| MVELEDZO P/S | LEGORA PRIMARY SCHOOL | KOOS MATLI P/S |
| PHATENG S/S | MAHLASEDI-MASANA P/S | LEHLABILE S/S |
| PHELADI-NAKENE P/S | MEETSE-A-BOPHELO P/S | MAHUBE VALLEY P/S |
| PULA-DIFATE P/S | MOGALE PRIMARY SCHOOL | MAHUBE VALLEY S/S |
| REFENTSE P/S | N'WA-VANGANI PRIMARY SCHOOL | MOTHEO P/S |
| SINDAWONYE P/S | REPHAFOGILE SECONDARY SCHOOL | PFUNDZO NDI TSHEDZA P/S |
| TLAKUKANI P/S | RIBANE-LAKA SECONDARY SCHOOL | RAMAHLALE PRIMARY SCHOOL |
| TSAKO THABO S/S | SEDIBA SA THUTO P/S (Mamelodi Far East P/S) | RETHAKGETSE PRIMARY |
| VLAKFONTEIN S/S | SOLOMON MAHLANGU FREEDOM SCHOOL | SIKHANYISELE PRIMARY SCHOOL |
| VUKA-U-ZENZELE P/S | TSHEGOFATSONG <u>LESEN</u> SCHDOL | STANZA BOPAPE SECONDARY SCHOOL |
| ZAKHELE P/S | | UOANE PRIMARY SCHOOL |
| | | |
| | | |
| 15 | 14 | 15 |