



## public works & infrastructure

Department:  
Public Works and Infrastructure  
REPUBLIC OF SOUTH AFRICA

Private Bag X65, Pretoria, 0001, Tel (012) 337-2000  
Central Government Offices, Cnr Madiba and Bosman Street,  
Pretoria From: Professional Services Branch  
Tel: (012) 406 1344 | 082 957 4517 e-  
mail: [donald.baikgaki@dpw.gov.za](mailto:donald.baikgaki@dpw.gov.za)

**Enquiries: Mr. D Baikgaki/Ms. N Moela**

### **TERMS OF REFERENCE FOR INLAND AND COASTAL PROVINCES**

#### **(INTERVENTION TAKING PLACE IN GAUTENG PROVINCE)**

### **APPOINTMENT OF SERVICE PROVIDER/S TO IMPLEMENT MATHEMATICS & PHYSICAL SCIENCE INTERVENTIONS FOR DPWI ADOPTED SCHOOLS**

#### **1. BACKGROUND**

- 1.1. The Department of Public Works and Infrastructure has a mandate to build technical capacity required for the state to deliver on its infrastructure projects. The call to build state capacity is informed by the current national crisis around scarcity of critical skills in both the built and property sectors as underpinned by National Development Plan (NDP) Chapter 9 on Improving education, training and innovation and the Medium Term Strategic Framework (MTSF) Outcome 5—Building a skilled and capable workforce to support an inclusive growth path.
- 1.2. It is within this context that The Department of Public Works and Infrastructure (DPWI) implements the Schools Programme. This programme promotes the enhancement of Mathematics and Physical Science learning, creating a solid foundation for learners to access built environment qualifications at university. It further promotes careers within DPWI and inspires learners to pursue careers in the built environment sector.
- 1.3. As part of the Schools Programme, the Department will appoint tutors to conduct:
  - 1.4. Pre-tests to determine baseline learner performance before the intervention.
  - 1.5. Effective and engaging tutoring sessions aligned with the curriculum.
  - 1.6. Post-tests to assess knowledge gained and the overall impact of the intervention.

#### **2. SCOPE OF WORK**

- 2.1. The purpose is to appoint suitably qualified and experienced tutors to facilitate Mathematics and Physical Science tutoring sessions for Grade 11–12 learners from schools under the DPWI Schools Programme.
- 2.2. The Intervention will be offered for 1 week and it will include 08 hours daily sessions (04 hours dedicated to Mathematics and another 04 hours dedicated to Physical Science from 12 until 18 July 2025 intervention in Gauteng Province.
- 2.3. The appointed service provider/s must be able to interact with and assist learners beyond the winter camp using other communication platforms (e.g., WhatsApp, phone, or video calls). To develop lesson plans and learning materials in alignment with the CAPS curriculum.

#### 2.4. Learners and educators breakdown details:

| Grade     | Number of Learners            |
|-----------|-------------------------------|
| 11        | 41                            |
| 12        | 36                            |
| Educators | 32 ( Maths & Physical Science |

#### 2.5. Prepare and Deliver Mathematics and Physical Science Learner Intervention

##### 2.5.1. Tutors Responsibilities

- 2.5.1.1. To compile and submit a comprehensive report including assessment results, intervention outcomes and recommendations.
- 2.5.1.2. Conduct baseline assessments to determine learner's learning gaps on specific topics and provide feedback to both learners, educators and Department
- 2.5.1.3. Compile and implement Mathematics and Physical Science pre-tests aligned to problem areas.
- 2.5.1.4. Compile pre-test report complete with recommendations on day 1 of the programme.
- 2.5.1.5. Develop a project implementation plan and remedial plans
- 2.5.1.6. Provide the copies of question papers.
- 2.5.1.7. Develop the camp timetable.
- 2.5.1.8. To facilitate Maths and Science interventions (inclusive of preparing and implementation of Mathematics and Physical Science Interventions to address learners' learning gaps; distribute learning material; for 08 hours (04 hours dedicated to Mathematics and another 04 hours dedicated to Physical Science from 12 until 18 July 2025).
- 2.5.1.9. Compile and implement Mathematics and Physical Science post-tests.
- 2.5.1.10. To conduct post-test assessments on the last day of the programme.
- 2.5.1.11. To provide individual feedback and remedial of each learner.
- 2.5.1.12. Compile and provide a comprehensive report with outcomes and the recommendations.
- 2.5.1.13. **Extended Grade 12 Online Intervention (July – November 2025) – The appointed service provider will be required to continue with online interventions for 36 Grade 12 learners in both Mathematics and Physical Science from July to November 2025, up until the final examinations.**
- 2.5.1.14. **Develop a detailed online intervention plan for only Grade 12 learners covering the period from July to November 2025.**
- 2.5.1.15. Submit the intervention plan to DPWI for review and dissemination to all adopted schools.
- 2.5.1.16. **The online sessions must be conducted after school hours to avoid disruption of regular academic periods.**
- 2.5.1.17. **Utilisation of virtual platforms such as Zoom, Microsoft Teams, WhatsApp, and phone or video calls and etc for effective learner support to a maximum of four (4) hours a week.**
- 2.5.1.18. Provide ongoing academic support, address learner queries, and conduct revision sessions.
- 2.5.1.19. Submit monthly progress reports to DPWI detailing learner participation, content covered, challenges encountered, and recommendations for further improvement.

### **2.5.2. Prepare and Deliver Mathematics and Physical Science Educator Workshops:**

The Educator Workshops is aimed at providing teaching techniques, skills and cover content gaps amongst Mathematics and Physical Science Educators:

#### **Activities:**

- 2.5.2.1. Conduct baseline assessment to design interventions.
- 2.5.2.2. Develop a project implementation plan.
- 2.5.2.3. Prepare and Implement Interventions.
- 2.5.2.4. Provide manuals, materials, question papers etc.
- 2.5.2.5. Conduct Programme Evaluation.
- 2.5.2.6. Compile and provide Overall Intervention Report.

### **3. GUIDELINES**

| ITEM                                 | SPECIFICATION  |
|--------------------------------------|--|
| Number of Tutors / Facilitators      | The appointed service provider should be able to provide both Mathematics and Physical Science facilitators. |
| Duration                             | From 12-18 July 2025<br>Maximum of 8 hours daily (4 hours Mathematics and 4 hours Physical Science).         |
| Venue                                | Gauteng  |
| Facilitator travel and accommodation | As per the Automobile Association (AA) and or applicable government accommodation rates                      |

**NB: Areas to be covered not limited to: Counting Principle; Probability; Financial Maths; Euclidean Geometry; Trigonometry; Statistics; Functions**

### **4. EVALUATION CRITERIA**

- The following documents and requirements will be considered as part of the evaluation criteria:

| Item  | Submitted Yes/No |
|---|------------------|
| Company Profile with three contactable references   |                  |
| Company Service Record  |                  |
| Company Director/s Qualifications   |                  |
| Service Provider has more than 8 Years of experience with proven track record in Mathematics and Physical Science Tuition |                  |
| Testimonials from 1 referee   |                  |

|   |  |
|---|--|
| Certified copies of qualifications and SACE registration or relevant qualification with Mathematics and or Physical Science |  |
| A minimum of 5 years' Mathematics and Physical Science Tutoring experience  |  |

## 5. INTEGRITY AND CONFLICT OF INTEREST

Appointed service providers shall at all times exhibit the highest level of integrity in the performance of all assignments. Service providers must accept assignments only if they are confident in completing them with professional competence.

The appointed service provider is expected to conduct the intervention and compile the necessary reports with integrity, honesty, and the collection of appropriate evidence to support the Department of Public Works and Infrastructure in achieving its objectives.

*D.M Baikgaki*

MR DONALD BAIKGAKI

D: HUMAN CAPITAL INVESTMENT

DATE:

Contact Person: Ms Ntebo Moela  
06.6 483 1899