

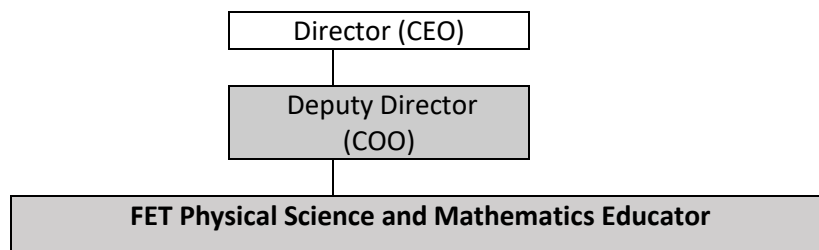
JOB TITLE	FET Physical Science and Mathematics Educator
REPORTS TO	Deputy Director (COO) of Cape Town Science Centre (CTSC)
DEPARTMENT	Education
JOB PURPOSE	
<p>As an educator for the Cape Town Science Centre (CTSC), an informal interactive science education organisation that also supports the formal education sector, this educator will be expected to enthuse and teach science and mathematics to learners, educators and occasionally to general visitors. The FET Educator also has a primary role of developing content, specifically for curriculum-related workshops, teaching materials and resources, as well as the development and implementation of special education programmes both virtually and in-person</p>	
PRINCIPAL ACCOUNTABILITIES	
<ol style="list-style-type: none"> 1. Facilitation of school groups and others who visit the Cape Town Science Centre, as well as the facilitation of school groups and others during the CTSC's outreach programmes, when required 2. Development of teaching resources associated with the CTSC's exhibits and exhibitions 3. Required to be fully conversant with the CAPS curriculum 4. Work closely with the Deputy Director in maintaining regular contact with key WCED officials and educators to not only implement ongoing WCED projects and nurture relationships, but also to establish where the CTSC is best able to continue supporting the WCED's efforts e.g. Science expo's, specific subject material, educator workshops, themed school visits, revision workshops, online support etc. 5. Content development as it pertains to the FET phase, working closely with the Deputy Director, in taking the lead in the development of resource materials, educational booklets, worksheets, PowerPoints, videos, etc. for FET Physical Science and Mathematics 6. Implementation and presentation of workshops (both online and in person as required) 7. Providing input in the innovation, development and the presentation of science shows, as well as actually presenting science shows (both online and in-person as required) 8. Assist in the planning and organizing of logistical and other inputs for special education programmes implemented by the CTSC. Specifically driving CTSC FET STEM programmes, both virtual and in-person, including Matric Workshops, Matric Masterclass, Saturday Classes, Pre-recorded and live videos, focusing on both content and practical 9. Be willing to work outside of comfort zones and branch into various fields of science, technology and engineering 10. Assist in the development and marketing of the quarterly Education Programme to schools and educators 11. Give relevant input into the annual CTSC calendar of programmes, activities and events, as well as contribute to the co-ordination of activities of the Cape Town Science Centre 	

12. Assist in the monitoring and reporting of all learner and teacher participation in the CTSC education Programmes and related activities
13. Ensure accurate maintenance of FET educational equipment and storage of all records, documents and resources on the Education Department's common drive
14. Assist the Deputy Director with various operational and administrative tasks as they may arise

SCOPE

Management: Lead FET content development and special education programmes as required

ORGANOGRAM



EDUCATION, EXPERIENCE & SKILLS

EDUCATION

- A Bachelor of Science degree including a formal teaching qualification

EXPERIENCE

- Teaching experience in Physical Science and Mathematics Core, having taught up to Grade 12
- Experience in developing resources / creating content
- Previous experience in project management would be advantageous
- Experience in the science centre environment and/or NPO sector (advantageous)
- Administration experience
- Management experience

KNOWLEDGE / SKILLS

- Content development / instructional design
- Strong communication skills, including written (letters, emails and reports) and verbal. Ability to communicate with both adults and youth
- Bilingual, with the ability to teach in both English and Afrikaans
- Clear diction and good presentation skills
- Ability to present virtual programmes & workshops (live and pre-recorded)
- In-depth working knowledge of online hosting platforms including Google Hangouts, Zoom and Microsoft Teams
- Advanced computer skills
- Familiar with the Siyavula platform
- A working knowledge of electronic-based sensors (e.g. PASCO) would be advantageous
- Detail orientated
- Willing to travel locally, be flexible and at times work outside of general working hours
- Valid Code 8 driver's license and own transport
- Able to work under pressure and meet deadlines