

Inombolo yefayili: 21/2/9/3/8/ Expo for Young Scientists (EFYS)

Isalathiso: 20240402-2841

INGcaciso eMfutshane yeCandelo leKharithulam ye-GET: 0004/2024

Iya: KumaSekela Balawuli-Jikelele, kuBalawuli abaziiNtloko, kuBalawuli, (kwaNdlunkulu nakwii-ofisi zezithili), kwiiNtloko zoKunika iNkxaso kwiKharithulam, kuBaphathi beeSekethe, kwiiNtloko zoLawulo noKuphathwa kwamaZiko, kuBacebisi ngeZifundo nakwiiNqununu zezikolo eziziisekondari

Isihloko: Isimemo esiya kubafundi, abaneminyaka eli-11 ukuya kweli-18 ubudala, ukuba bathathe inxaxheba kwi-Expo for Young Scientists yephondo ka-2024.

1. I-Expo for Young Scientists (EFYS) yiprogram engenelela ngoncedo ngokuthe nqo (*hands-on*) evuselela uthando lwe-Science, i-Technology, i-Engineering, i-Mathematics, kunye ne-Innovation (STEMI) kubafundi abasebatsha, ababudala buyiminyaka eli-11 ukuya kweli-18. Ijonge ukukhuthaza izakhono zenkulungwane yama-21 njengokucinga nzulu, ukusombulula iingxaki nonxibelelwano kwimeko yenzululwazi, ukukhuthaza abafundi ukuba bathathe inxaxheba kwiiprojekthi zophando nokuphuhlisa isiseko esomeleleyo kwiinkalo ze-STEMI. Ezi zakhono kunye neenqobo ezisemgangathweni (*values*) zinegalelo ekuphuhliseni kweentsapho kunye noluntu kwihlabathi eliguqukayo.
2. I-EFYS yasekwa ngo-1980 ukuphumeza oku kulandelayo:
 - ukukhuthaza ulutsha loMzantsi Afrika ukuba luthathe inxaxheba kwimisebenzi ye-STEMI ukukhulisa umdla kwezi nkalo nokuphuhlisa izakhono zobunzululwazi ezitshintsha ubomi; kunye
 - nokudala amathuba okuba abafundi abaselula basebenzise iindlela ezikhuthaza ukufunda nokubalungiselela ukwamkela izifundo ze-STEMI yaye, ngokunokubakho, ukubakhokelela kwiindlela zezifundo namakhondo omsebenzi ezenzululwazi.
3. I-EFYS ihambelana noku kulandelayo:
 - Umbono weSebe leMfundo leNtshona Koloni wokubonelela ngemfundo esemgangathweni kuye wonke umfundi, kwiklasi nganye, kwisikolo ngasinye kwiphondo.
 - Isicwangciso sephondo se-Mathematics, i-Science ne-Technology (MST)
 - I-Expo Vision, ekhuthaza oosonzululwazi nabaphandi abakhulayo, yaye ijonge ukomeleza nokuqinisa ikharithulamu efundiswa ngemisebenzi ehambelana nezifundo ze-MST.

4. Ukulungiselela abafundi i-EFYS, imisebenzi yenziwa unyaka wonke wezifundo kugxininiswa kwikota nganye ngolu hlobo lulandelayo:
- **Ikota 1:** lindibano zocweyo zoqeqesho ukulungiselela abafundi.
 - **Ikota 2:** Ukubeka iliso kwinkqubela phambili kwimiboniso (*expos*) yesithili ukunika ingxelo kubafundi. Bonke abafundi kufuneka bathathe inxaxheba kumboniso wesikolo okanye wesithili oza kuthathelwa ingqalelo ukuze kuthatyathwe inxaxheba kwi-*Regional Science Fairs (RSFs)*. Umboniso wesikolo okanye wesithili uya kuboniswa kwizithili ezahlukeneyo kwiphondo liphela ukuze abafundi bangenele ukuthatha inxaxheba. Jonga **ISIHLOMELO A**.
 - **Qaphela:** Ukubaluleka kwezi seshoni kuya kuba kukubonelela abathathi-nxaxheba abaphumeleleyo ingxelo eyimfuneko yokuphucula iiprojekthi zabo ze-RSF.
 - **Ikota 3:** Ii-RSF ezine ziya kuqhutyelwa eKapa, e-Eden Karoo, e-Stellenbosch nase-West Coast apho abafundi baya kuthi babonise iiprojekthi zabo ezisemgangathweni. I-RSF ibonelela abafundi abakhethiweyo ababonise iingcinga ezintsha ithuba lokukhuphisana kwi-*International Science Fair (ISF)* obanjelwa e-Gauteng.
 - **Ikota 4:** Inkqubo ebanzi i-*Teacher Professional Development* yokuqeqesha ootitshala ngeyona ndlela ingcono yokulungiselela abafundi kukhuphiswano lwe-expo.
5. **Impumelelo yango-2023 ye-EFYS**
I-RSF: Ukunyuka nge-30% kwintatho-nxaxheba yabafundi, kunye ne-50% yabathathi-nxaxheba efumane iimbasa..
I-ISF: I-97% yeeprojekthi ezithathe inxaxheba yaze i-95% yabagqwesileyo yafumana iimbasa ngolu hlobo lulandelayo: ezintathu kwabasezantsi (*junior*) nezintandathu kumacandelo aphezulu (*senior categories*). Ukongeza, abali-15 abaphumeleleyo bafumana iimbasa ezikhethekileyo.
6. Ziyakhuthazwa izikolo ukuba zinike abafundi iingcinga ezintsha namathuba okungenela ukhuphiswano. Abafundi banokufumana iingcinga ngokwenza oku kulandelayo:
- ukuqwalasela kwindawo abahlala kuzo kunye noluntu;
 - ukuchaphazela i-17 *United Nations Sustainable Development Goals*; okanye
 - ngokusebenzisa iindidi ezili-13 ze-expo, njengoko zichaziwe kwi-*Expo Project Guidebook*. Ilinki yokufikelela kule ncwadi yile ilandelayo: <https://exposcience.co.za/get-involved/resources/>
7. Bayakhuthazwa abafundi ukuba basebenzise iklabhu ye-STEM okanye iiseshoni zesayensi esikolweni ukuphuhlisa iingcinga zeprojekthi.
8. Ukufumana ingcaciso engaphezulu malunga ne-RSF, jonga **ISIHLOMELO B**.
9. Ukuba unayo nayiphi na imibuzo, nceda uqhagamshelane no-Lyndon Manas, umququzeleli wephondo we-EFYS apha Lyndon@exposcience.co.za okanye 083 246 3667.

10. Ziyacelwa iinqununu ukuba zazise okukule ngcaciso imfutshane ootitshala abachaphazelekayo ukuze bakuthathele ingqalelo.

ISAYINWE: NGU-B LORISTON

UMLAWULI-JIKELELE WOLAWULO LWEKHARITYHULAM NOVAVANYO

UMHLA: 2024-04-10