

# Country

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Organization and Number of Staff: **Ministry of Education – 18 Employees**

Funding by: **Ministry of Education**

Cooperating Organizations/Individuals: **47 Educational Departments**

GLOBE Schools: **344**

GLOBE Protocol Areas: **Advanced Atmosphere – Atmosphere - Climate – Clouds  
Earth As a System - Hydrology - Land Cover - Pan-GLOBE – Phenology - Soil Characterization  
Soil Moisture and Temperature.**

Number of Schools Reporting Data over Past Year: **344 schools recorded data of 167,537.**

Program Implementation, International Cooperation in GLOBE Network, and Activities over Past Year  
(categorized by GLOBE Strategic Plan 2018-2023 Goals):

- Education In line with the Kingdom's Vision 2030 on Climate Change, activities have been designed to increase vegetation and know the causes of desertification, as well as some skills that develop students' environmental scientific research skills, which in turn support the objectives of the Globe Environmental Program. Students can combine exploration and observation skills and monitor data that help them to choose scientific research with a clear environmental impact.
- Science Several visits to environmental meteorological stations were carried out as a scientific journey for Globe students to compare modern monitoring methods of atmospheric and rainfall data and soil analysis, which was effectively reflected at scientific student levels by scientific research and was involved in more than 37 scientific research for 2022.
- Community There was a partnership with the Saudi Geographical Society, the Research Center for Environmental Excellence, the Meteorological and Marine Sciences Authority, as well as Aramco and the Ministry of Environment to activate environmental culture as a social responsibility, with the participation of many students and families.
- Technology Saudi Arabia is undergoing a high digital transformation and has provided all schools with high-tech equipment that supports technical applications of the

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environment, promotes virtual education and supports augmented learning reality. There are also a number of courses on geosystem applications that achieve the goals of GLOBE and help students with research and exploration skills and we have held more than 10 teacher training courses on recent updates on Globe.

- Communications Globe students participated in the Day of Afforestation, Clouds Competition and Earth Hour as well as World Earth Day They were also motivated to participate in all the events on the official Globe page and held several indoor events in the diverse marine, desert and farming environments and to follow up the biodiversity and entomology series, The Kingdom participated in various research in this area and one research achieved all the standards of the Globe programme for 2022.

### Plans and Ideas for Next Year:

- **Activate STEAM methodology and enhance students' field research and develop scientific research skills.**
- **Activate community partnerships and family role to be the school of life environment.**
- **Optimal investment in technical applications to facilitate access to and application of information in learners.**
- **Strengthening the curriculum through the secondary education pathways programme and supporting it with biological scientific experiences in partnership with the competent authorities.**