

Science Centre World Summit 2017 Author: Akash Dusrath (Education Officer) Sci-Bono Discovery Centre









A Global Perspective

WORL POPULATION = 7.4 Billion

1 Billion people live with a disability





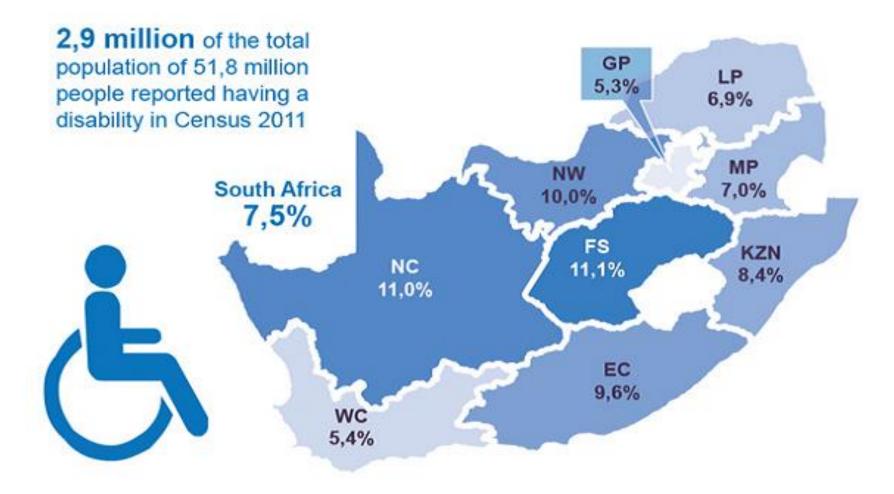
Plight in Africa







In South Africa







Science Centres in Context

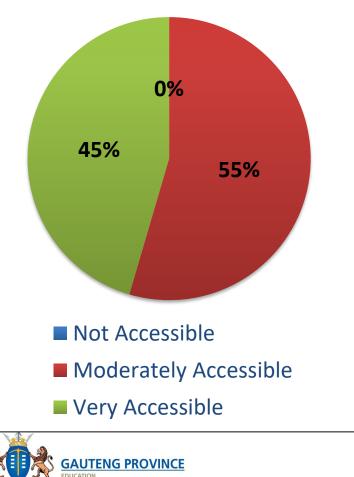




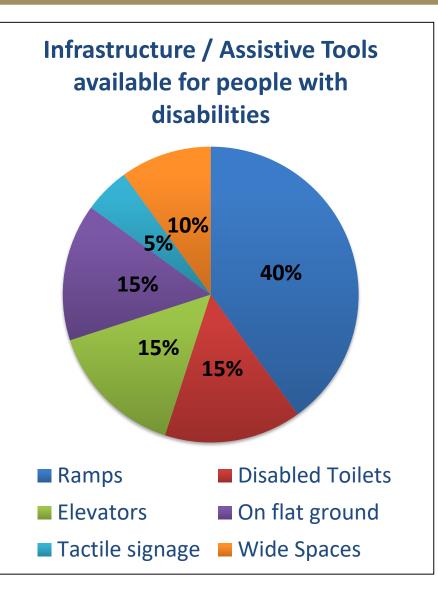


Science Centres & Accessibility

Accessibility of Science Centres to people with Disabilities

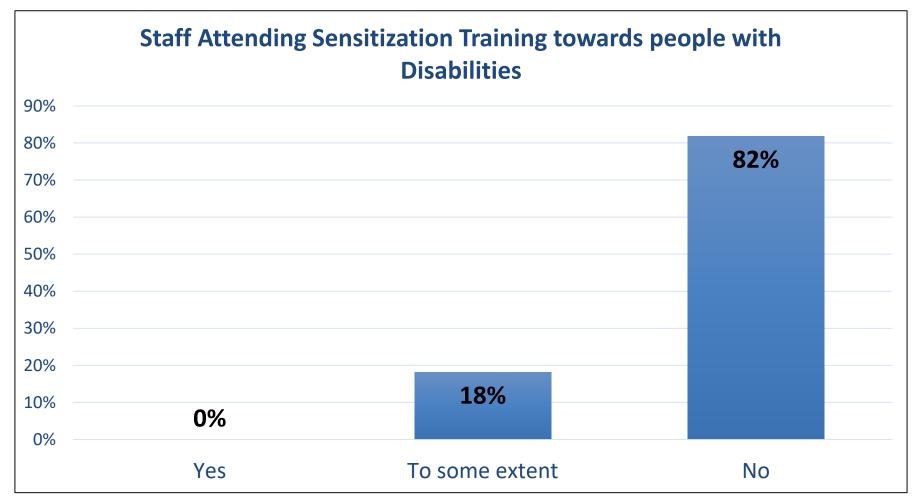


EPUBLIC OF SOUTH AFRICA

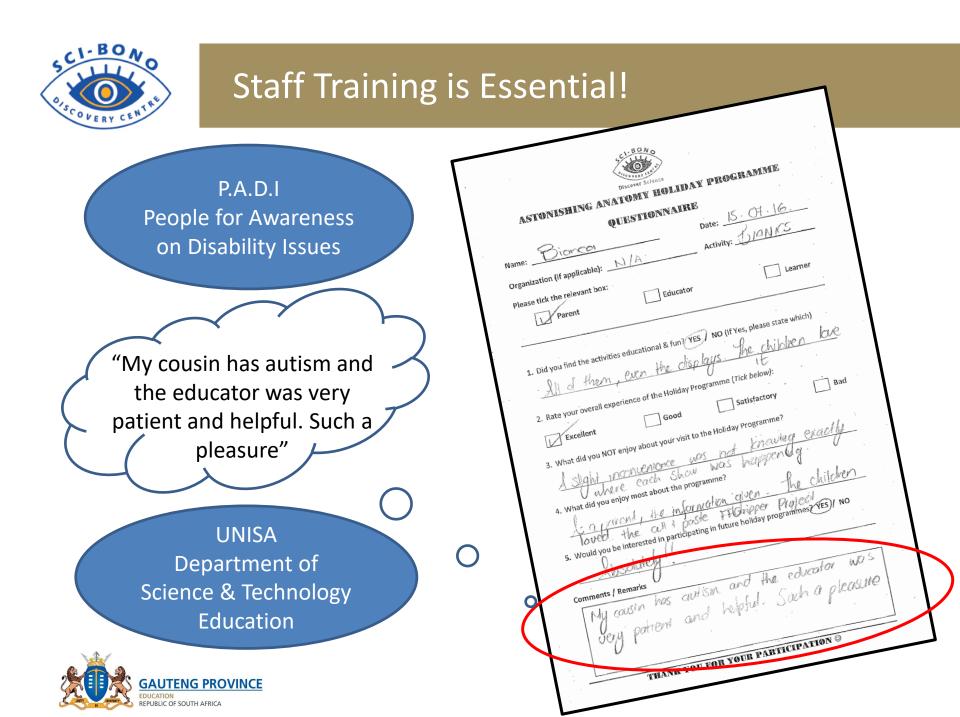




Staff Training: Handling People with Disabilities









Categories of Disabilities Visiting Science Centres





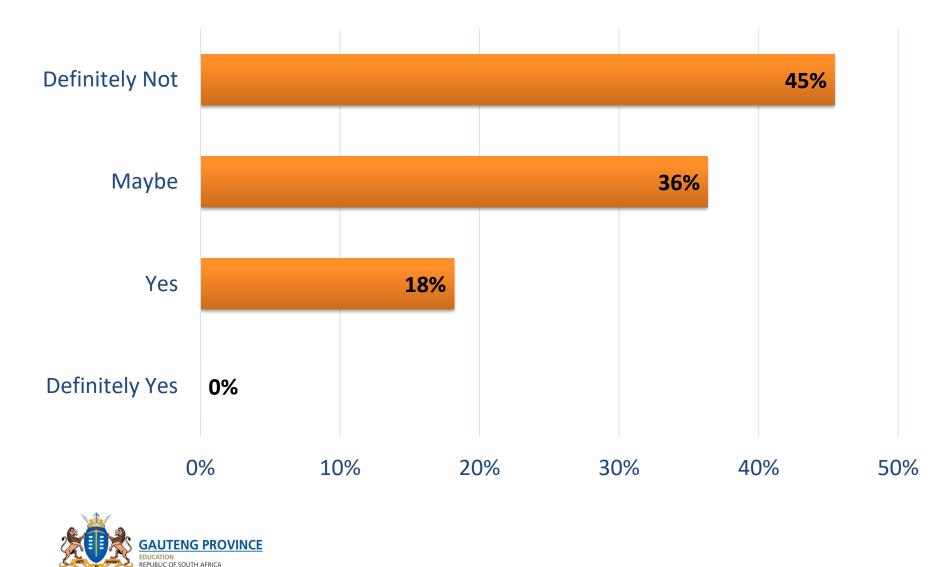


- □ Lack of learning materials for groups with disabilities
- Untrained staff to handle disable groups
- □ Lack of suitable exhibits able to accommodate groups
- **Difficulty in communicating with groups** e.g. Sign Language
- **Lack of funding** to customize programmes, equipment & exhibits
- **Finding organizations specializing in disabilities** to partner with
- **Catering for groups with a variety of disabilities** at a time
- □ Insufficient staff available to provide the close facilitation required





Are Science Centres Doing Enough to Serve the Disabled?





Tour of STEM Exhibition



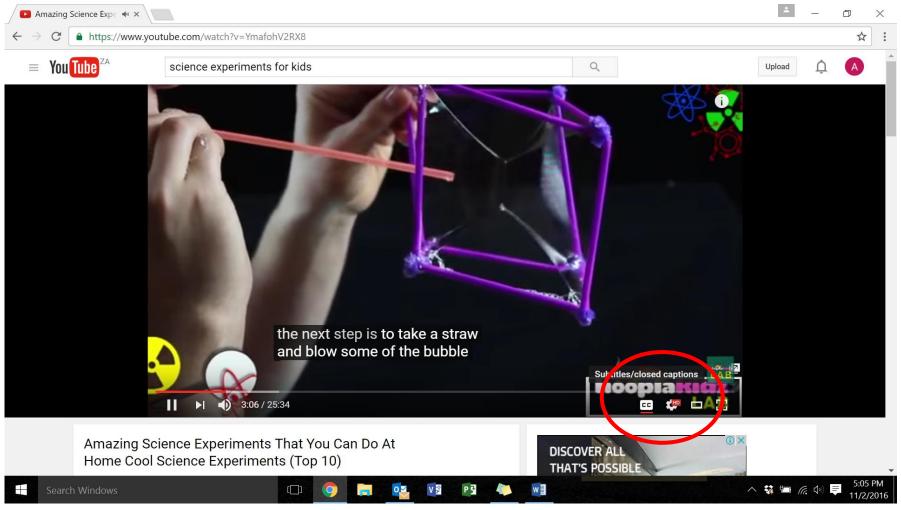


Hands-on STEM Workshop: Water Bottle Rocket





Videos...Tricks



GAUTENG PROVINCE



Water Bottle Rockets: The Launch







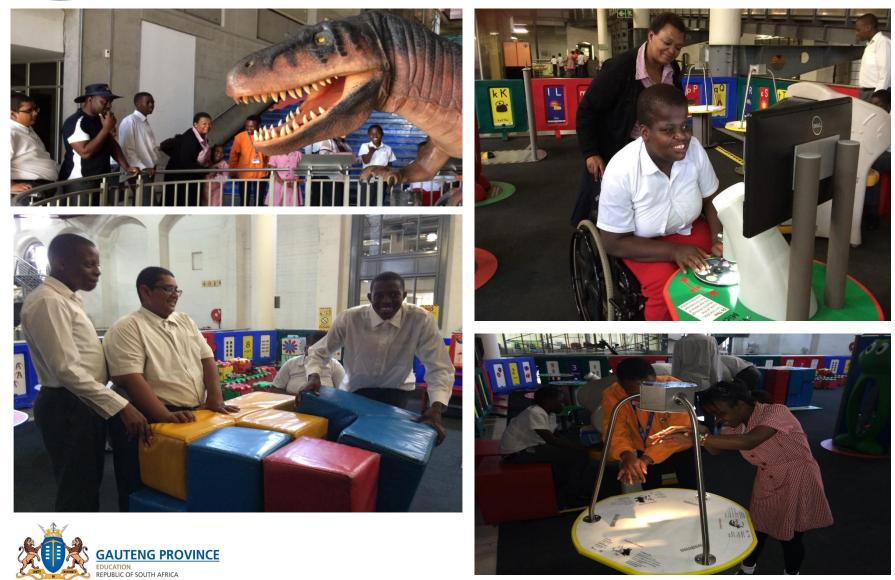
Science Show: Chemistry







Multiple Sensory Stimulating Activities





Educator Feedback







Learner Feedback







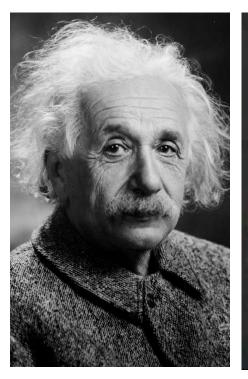
Recommendations

- **1. Partner with disability organizations for:**
 - Staff Training
 - Review of programmes / activites
- 2. Host more regular activities for people with disabilities
- 3. Include disability schools in outreach programmes
- **4. Celebrate** 03 December- INTERNATIONAL DAY OF PERSONS WITH DISABILITIES by the UN
- 5. Advertise the flexibility of your centres offerings to accommodate people with disabilities
- 6. Where possible try not to segregate learners- aim to create inclusive learning environments- social inclusion is as important as physical accommodation





In Conclusion...



Asperger's

Syndrome

& Dyslexic



Epilepsy

Learning Disability Amyotropic Lateral Sclerosis



Great Research & Science knows no boundaries...



Come visit us in Johannesburg

Like www.facebook.com/SciBono01 www.twitter.com/SciBono







