

Unlocking
BIG CHANGE
with
**CLIMATE
EDUCATION**

Impact Report on Revolutionising
Climate Change Education for
Marginalised Learners



June 2022 - November 2024

IMPLEMENTED BY:



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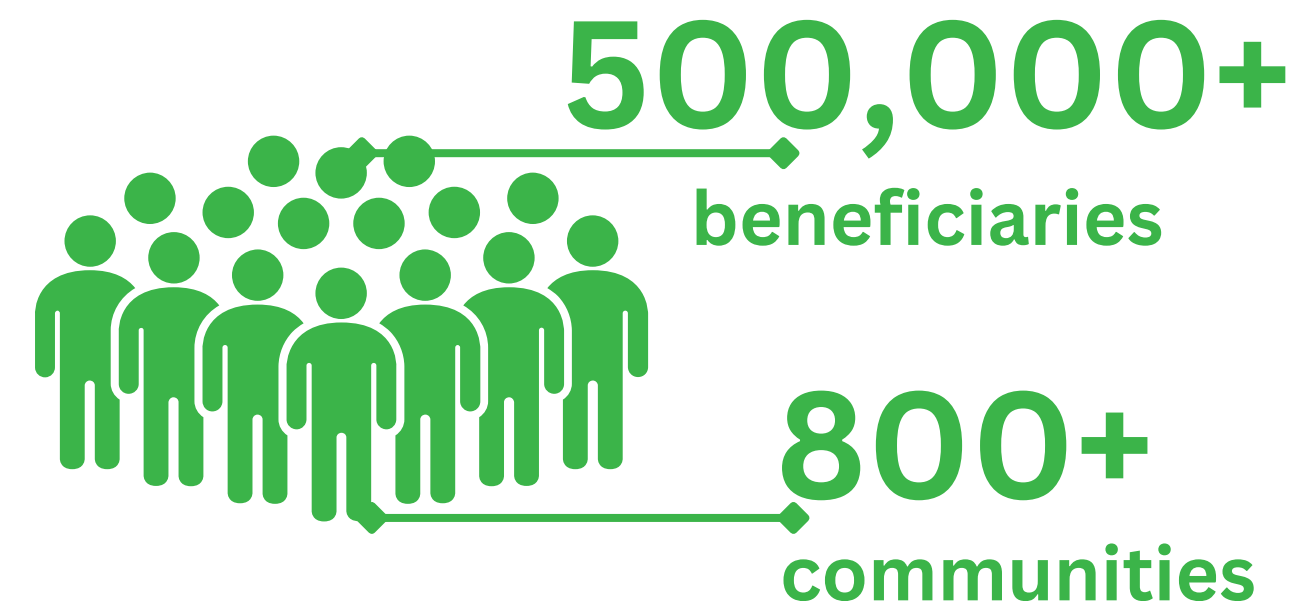
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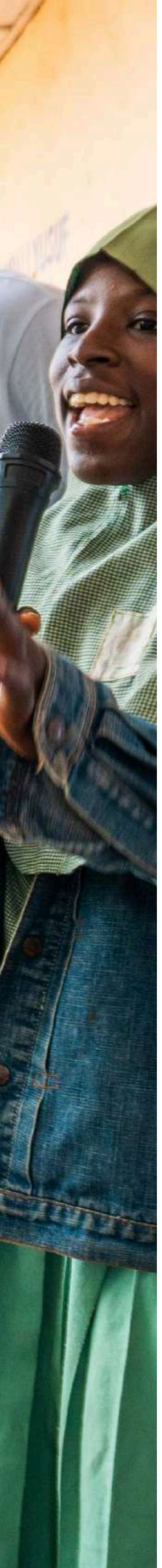
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About BBYDI

Founder in 2014, Brain Builders Youth Development Initiative (BBYDI), is a youth-led nonprofit organization whose mission centres on advancing climate action and women's empowerment. We are dedicated to promoting environmental sustainability and empowering women to take active roles in leadership and decision-making processes. Through our initiatives, we strive to raise awareness about climate change and its impact on communities while advocating for gender equality and women's rights. Additionally, we are committed to fostering inclusive and equitable opportunities for women in entrepreneurship, education, governance, community development, civic engagement, and peaceful political participation contributing to the achievement of the Sustainable Development Goals (SDGs).

With a proven track record of impactful projects around our climate and women empowerment desk spanning community clean-up initiatives, climate education programs in rural areas, and collaborative efforts such as the hydroponics project for female farmers in Borno State, BBYDI remains steadfast in its mission to foster positive change and provide opportunities for youth advancement.





Through strategic partnerships, innovative projects, and advocacy efforts, BBYDI endeavours to cultivate a generation of young leaders who are passionate about sustainable development. Leveraging innovation and technology, we collaborate with stakeholders in marginalized communities and government institutions to promote youth climate entrepreneurship, facilitate empowerment projects, encourage community participation in development initiatives, and facilitate comprehensive climate education programs.

Over the past years, BBYDI's initiatives have made a significant impact, reaching over 500,000 individuals across various age groups and backgrounds in several communities spanning all 36 states in Nigeria. Our diverse projects have directly engaged individuals and communities, fostering environmental stewardship, economic empowerment, and knowledge enhancement.

We have been fortunate to collaborate with esteemed partners and sponsors such as Box, Force of Nature, LEAP Africa, Nigeria Youth Futures Fund, Global Campaign for Education, International Fact-Checking Network, and US Global Engagement Centre and Becera, whose support have been instrumental in amplifying the impact of our endeavors. As we continue to evolve and expand our reach, BBYDI remains committed to empowering youth, driving sustainable development, and building a brighter future for all.

Contextual Background

Climate change stands as one of the most pressing global challenges of our time, with far-reaching implications for the environment, economies, and societies worldwide. From the melting polar ice caps to the intensification of natural disasters, the impacts of climate change are evident on a global scale. Africa, in particular, is highly vulnerable to the adverse effects of climate change due to its reliance on rain-fed agriculture, limited infrastructure, and widespread poverty.

Nigeria, Africa's most populous country and largest economy is not immune to the effects of climate change. The country experiences various climate-related challenges, including extreme weather events, desertification, deforestation, and loss of biodiversity. These environmental issues exacerbate existing socio-economic disparities and pose significant threats to food security, public health, and sustainable development.

Across Nigeria, Kwara, Osun, Oyo, and Borno States, each face distinct environmental challenges. Kwara, situated in the north-central region, has a semi-arid climate marked by contrasting wet and dry seasons. Osun and Oyo in the southwestern region, has experienced adverse impacts from climate crises. High temperatures, lack of rainfall, and inadequate precipitation have led to land drought, loss of soil nutrients, farmland degradation, and poor crop production. In Borno State, climate change is affecting crop yields due to high temperatures and unpredictable rainfall patterns.

In recent years, Kwara, Osun, Oyo, and Borno States, Nigeria have experienced shifts in rainfall patterns, increased temperatures, and frequent droughts, leading to reduced crop yields and livelihood insecurity for rural communities. In addition to environmental concerns, marginalised learners in secondary schools across Kwara, Osun, Oyo, and Borno State, Nigeria face significant barriers to quality education. Schools represent areas where these challenges are particularly acute. Many schools in these states serve communities with limited resources, inadequate infrastructure, and high levels of poverty. As a result, students in these schools often lack access to educational materials, trained teachers, and extracurricular opportunities that could broaden their horizons and empower them to thrive in a rapidly changing world.

Amidst these challenges, the need for comprehensive climate education programs tailored to the needs of marginalised learners is more critical than ever. By equipping students with the knowledge, skills, and attitudes needed to understand and address environmental challenges, we can empower them to become agents of change in their communities and beyond. Through targeted interventions like the "Unlocking Big Change with Climate Education Training" project, we aim to bridge the gap in climate education and unlock the potential of marginalised learners to drive sustainable development and resilience.

[Problem Statement

The impacts of climate change are increasingly severe, especially in developing countries with limited resources and low adaptive capacity. Nigeria has witnessed worsening environmental challenges as one of the top ten most vulnerable countries to climate change. Adapting to these effects requires widespread education and awareness among the population.

The problem our innovation, the Climate Champ Flashcard, seeks to address is the lack of comprehensive climate education and awareness among marginalized youth in rural communities. This deficit leads to limited understanding and inadequate action against climate change, compounded by the absence of accessible resources and tailored educational programs.

Evidence from evaluations and research reports underscores the severity of the issue. According to UNESCO, 70% of young people surveyed in Nigeria cannot adequately explain climate change or have limited knowledge about it. Additionally, our local surveys revealed that only 40% of secondary school students in the Ilorin East region possess a basic understanding of climate change concepts, while 65% have not received sufficient formal education on the topic. Moreover, studies such as Ayanlade & Jegede (2016) indicate that Nigerian university graduates lack substantial education on climate change, with only a small percentage receiving comprehensive instruction.

The tangible impacts of this knowledge gap are significant, including heightened vulnerability to climate-related hazards, limited adoption of sustainable practices, and reduced capacity for environmental advocacy. With over 100 million youths, including students, residing in rural communities across Nigeria, the scale of this problem is substantial and necessitates urgent targeted interventions to enhance climate education and awareness among marginalized youth populations.

The Climate Champ Flashcard innovation is essential for addressing the critical lack of comprehensive climate education and awareness among marginalized youth in rural communities. By providing accessible resources and tailored educational programs, our innovation aims to empower young people with the knowledge and skills needed to understand, adapt to, and mitigate the effects of climate change. Starting with specific communities in three states allows us to focus our efforts and resources effectively, ensuring that our interventions have a meaningful impact in targeted communities. By piloting our innovation in these communities, we have refined our approach, gathered valuable feedback, and demonstrated the effectiveness of our solution.

However, our vision extends beyond these initial pilot states. We aspire to scale up our initiative nationwide, reaching even more marginalized youth across Nigeria. By scaling up, we can amplify our impact, catalyze positive change on a larger scale, and contribute to building a more climate-resilient and environmentally-conscious generation. Through strategic partnerships, innovative approaches, and unwavering commitment, we are determined to realize this vision and empower youth to become champions of sustainable development across Nigeria and beyond.





[Overview of Intervention: Climate Champs Flashcard

In response to the pressing need for comprehensive climate education for marginalised learners in Kwara, Osun, Oyo and Borno State, Nigeria, the Brain Builders Youth Development Initiative launched the groundbreaking "Unlocking Big Change with Climate Education Training" project. At the core of this initiative lies the innovative Climate Champs Flashcard, a transformative educational tool designed to engage, educate, and empower secondary school students.

The Climate Champs Flashcard represents a cutting-edge approach to climate education, offering a dynamic and interactive learning experience for students aged 4-18 years. Comprising 25 thought-provoking cards, each containing insightful questions and response guides, the flashcards catalyse stimulating discussions, critical thinking, and problem-solving around key issues related to climate change, sustainability, and environmental stewardship.

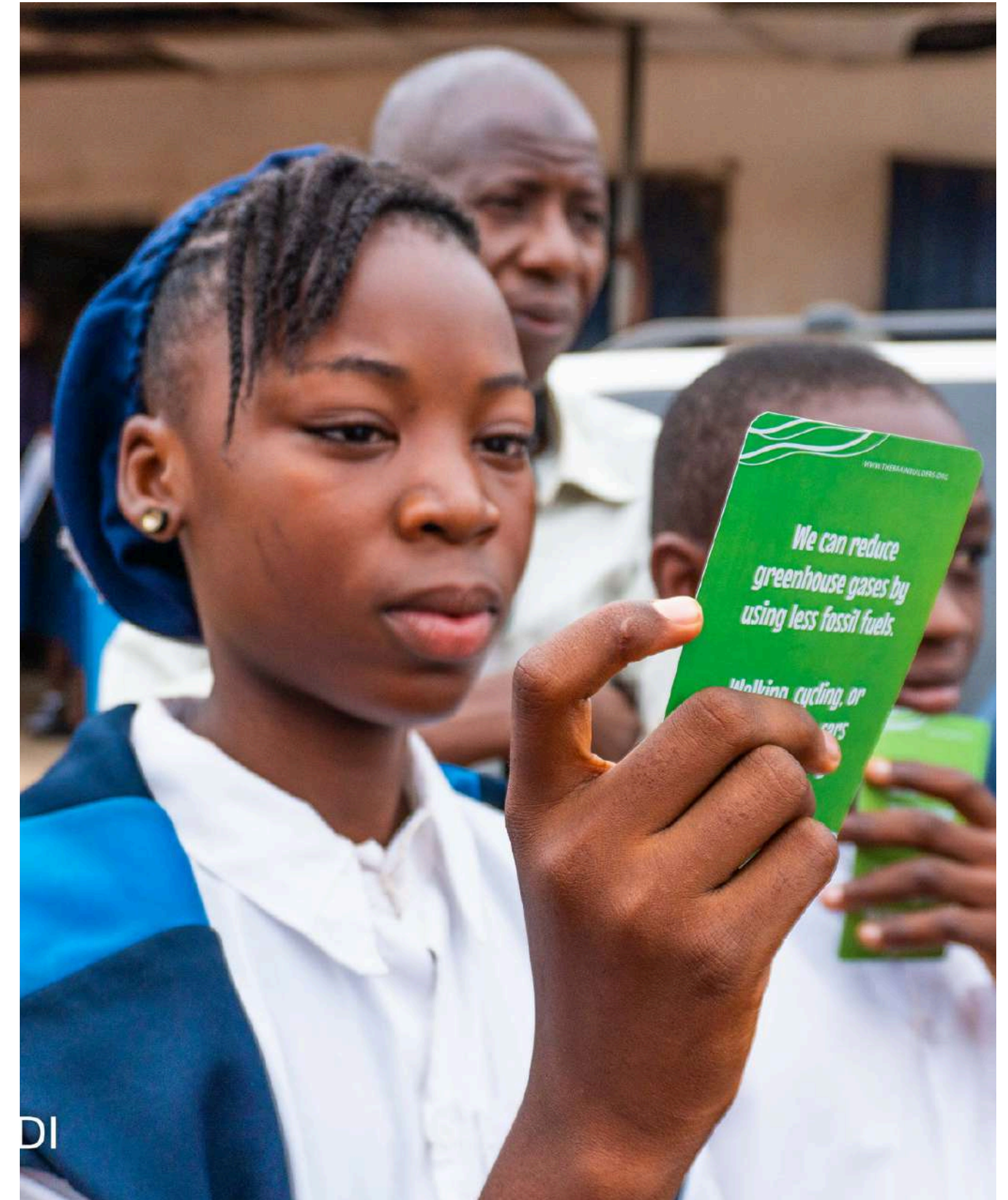
Crafted with careful consideration of the unique needs and interests of marginalised learners, the Climate Champs Flashcard covers a diverse range of topics, including:

1. Causes and impacts of climate change
2. Sustainable energy solutions
3. Biodiversity conservation
4. Waste management and recycling
5. Advocacy and community action for environmental justice

Each flashcard is designed to spark curiosity, inspire creativity, and empower students to explore innovative solutions to the complex challenges posed by climate change. Whether used independently or as part of structured classroom activities, the flashcards offer a flexible and adaptable resource for educators to integrate climate education into their teaching practice effectively.

Moreover, the Climate Champs Flashcard goes beyond traditional educational materials by incorporating elements of gamification and experiential learning. Through engaging activities, interactive quizzes, and real-life case studies, students are encouraged to actively participate in their learning journey, fostering a sense of ownership and agency over environmental issues.

While the Climate Champs Flashcard serves as the cornerstone of our intervention, our project also incorporates two additional components to enhance the impact and reach of our climate education training:



1. **Innovating Climate Actions for Sustainable Development:**

In addition to the Climate Champs Flashcard, we provide supplementary resources and training materials to support educators in delivering climate education lessons.

2. **Sustainable Environmental Tips for 4-18-year-old Learners:**

Recognizing the importance of holistic environmental education, we offer practical tips and guidance for students to adopt sustainable behaviours in their daily lives. From reducing energy consumption and conserving water to practising eco-friendly habits and advocating for environmental stewardship, these tips empower students to take meaningful action towards building a more sustainable future for themselves and their communities.

Through our combined intervention of the Climate Champs Flashcard, Innovating Climate Actions for Sustainable Development, and Sustainable Environmental Tips, we empowered marginalised learners in Kwara, Osun and Borno State, Nigeria. We provided them with the knowledge, skills, and motivation to become active agents of change. This equipped them to address climate change and promote sustainable development effectively.









Scale Vision: Brain Builders Youth Development Initiative Scale-Up Plan for the Initiative

As we embarked on our mission to revolutionise climate change education in Kwara, Osun, Oyo and Borno State and beyond, Brain Builders Youth Development Initiative envisions a comprehensive and sustainable scale-up plan for the Climate Champs Flashcard initiative. Our long-term vision extends far beyond the boundaries of individual schools and communities, aiming to catalyse systemic change in the education sector and empower youth to become active agents of environmental stewardship and climate action.

Central to our scale-up plan is the strategic partnership with key stakeholders, including local education authorities, non-governmental organizations (NGOs), civil society organizations, and community leaders. Through collaborative efforts and shared resources, we aim to leverage collective expertise and networks to amplify the reach and impact of our climate education initiative across Nigeria and beyond.

The scale-up plan encompasses the following key components:

- **Curriculum Integration and Institutional Adoption:** We aim to work closely with the Ministry of Education and other relevant authorities to integrate climate education into the formal curriculum of all secondary schools. By aligning our initiatives with educational standards and learning objectives, we seek to institutionalise climate education as an integral part of the educational system, ensuring sustained impact and long-term sustainability.

- **Teacher Training and Capacity Building:** Recognizing the pivotal role of educators in delivering effective climate education, we will conduct comprehensive teacher training programs to equip teachers with the knowledge, skills, and resources needed to integrate climate change concepts into their teaching practice. These training sessions will focus on pedagogical approaches, curriculum alignment, interactive teaching methods, and the effective use of educational resources such as the Climate Champs Flashcards.
- **Community Engagement and Outreach:** Our scale-up plan includes robust community engagement and outreach initiatives aimed at raising awareness, fostering partnerships, and mobilising support for climate education at the grassroots level. Through interactive workshops, public events, and media campaigns, we will engage parents, students, community leaders, and other stakeholders in dialogue and action around climate change mitigation and adaptation strategies.
- **Monitoring, Evaluation, and Learning (MEL):** To ensure the effectiveness and impact of our scale-up efforts, we will establish a robust monitoring, evaluation, and learning framework to track progress, measure outcomes, and identify areas for improvement. Through data-driven analysis and continuous feedback mechanisms, we will iteratively refine our approaches and interventions to maximise effectiveness and efficiency.
- **Replication and Expansion:** Building on the success of our initiatives in Kwara, Osun, Oyo and Borno State, Nigeria, we aim to replicate and scale up our climate education model to other states and regions across Nigeria. By documenting best practices, developing scalable solutions, and fostering collaboration with stakeholders nationwide, we aspire to create a ripple effect that transcends geographic boundaries and catalyses a nationwide movement for climate education and youth empowerment.

Through these concerted efforts and strategic partnerships, Brain Builders Youth Development Initiative is committed to realising the vision of a future where all young people have access to quality climate education and are empowered to become proactive agents of change in building a more sustainable and resilient world. Together, we can unlock the full potential of youth as champions for environmental conservation, social justice, and global solidarity.



IMPLEMENTATION

[Summary of Key Activities

The "Unlocking Big Change with Climate Education Training" project embarked on a comprehensive range of activities aimed at equipping marginalised learners with the knowledge, skills, and motivation to address climate change and promote environmental sustainability. These activities were meticulously designed to engage students and educators in a transformative learning journey, fostering a culture of environmental stewardship and empowerment.

Target Audience Selection and Needs Assessment

To ensure the effectiveness and relevance of our project, we conducted a comprehensive needs assessment to gain insights into the specific requirements of our target population at various locations. The needs assessment informed our decision-making process in selecting the specific locations for project implementation. We targeted areas with the highest concentration of needs, ensuring that our project would have the greatest impact on the communities we serve. Based on the analysis, we prioritized the needs of the target population, considering factors such as urgency, feasibility, and impact. With the assessment, we were able to tailor our project to the unique requirements of the target population at each location. This approach allowed us to address their specific challenges effectively and contribute to positive outcomes for the community.

Baseline Assessment

The baseline assessment was conducted at the beginning of the intervention to establish a baseline level of understanding and awareness. It included a range of questions designed to assess teachers' and students' knowledge of climate change, their attitudes towards environmental sustainability, and their behaviours related to the environment.

Teacher Training Workshops

We conducted intensive teacher training workshops recognising the pivotal role of educators in delivering effective climate education. The comprehensive teacher training programs equip teachers with the knowledge, skills, and resources needed to integrate climate change concepts into their teaching practice. Through interactive sessions, educators were introduced to the Climate Champs Flashcards and guided on how to incorporate them into their lesson plans to enhance student engagement and learning outcomes.

Onboarding of Teaching Fellows

The program successfully trained over 100 educators, representing a diverse group of schools across three states and three geopolitical zones namely Ilorin, Kwara State (North Central); Osogbo, Osun State (South West); Ibadan, Oyo State (South West); Maiduguri, Borno State (North East) Nigeria. Beyond the training, teachers were onboarded into our climate education teaching fellowship, where they were tasked with establishing Climate Change education efforts in their respective schools to ensure sustained education and engagement.

Student Engagement Sessions

In addition to teacher training workshops, we organised engaging and interactive sessions for students at purposefully targeted secondary schools in Kwara, Oyo and Osun, and Internally Displaced Camp (IDP) in Borno. These sessions provided students with hands-on experience using the Climate Champs Flashcards and facilitated discussions, group activities, and practical exercises to deepen their understanding of climate change concepts, sustainable practices, and environmental stewardship. With the active involvement of students in the learning process, we empowered them as change agents and ambassadors for climate action in their schools and communities.

Monitoring and Evaluation

Throughout the project implementation, we conducted rigorous monitoring and evaluation activities to assess the effectiveness and impact of our interventions. This included the conduct of Midline and end-line surveys and assessments to assess the effectiveness and impact of interventions. The assessments measured changes in students' knowledge, attitudes, and behaviours related to climate change. Qualitative feedback from stakeholders provided insights for program improvement.

Midline Assessment

We systematically tracked progress and gathered feedback using midline assessments to continuously refine our approaches and strategies to maximise the effectiveness and relevance of our intervention to the target community.

End-line Assessment

The end-line assessment was conducted after the intervention to measure the impact of the intervention. It included similar questions to the baseline assessment, allowing for direct comparisons between the two-time points.

The "Unlocking Big Change with Climate Education Training" project embarked on a multifaceted approach to empower marginalised learners with the knowledge, skills, and motivation to address climate change and promote environmental sustainability. Through targeted interventions, community engagement, and stakeholder collaboration, we sought to foster a culture of environmental stewardship and empower youth to become agents of positive change in their schools, communities, and beyond.

Scope of Impact: Evaluation

To assess the effectiveness of our intervention, we employed a comprehensive evaluation strategy involving baseline and end-line training assessments. These assessments were designed to measure changes in students' knowledge, attitudes, and behaviours related to climate change and environmental sustainability.

Activity Timeline

Activity	Timeline
Needs Assessment	June 2022
Target Audience Selection	August 2022
Baseline Assessment	August 2022
Students/Learner Engagement (Schools; Kwara)	September 2022
Monitoring and Evaluation	September 2022
Teachers/Facilitators Training	October 2022
Midline Assessment	January 2023
Students/Learner Engagement (Schools; Kwara)	March 2023
Students/Learner Engagement (Schools; Osun)	July 2023

Onboarding of Teaching Fellows in Climate Education Training Fellowship	October 2023
Students/Learner Engagement (IDP camp; Borno)	November 2023
Students/Learner Engagement (School; Borno)	January 2024
Endline Assessment	February 2024
Students/Learner Engagement (Schools; Oyo)	Aug. - Nov. 2024

The activity timeline for our project is as follows: In June 2022, we conduct the Needs Assessment, followed by the Baseline Assessment and selection of the Target Audience in August 2022. In September 2022, we kick off the Student/Learner Engagement sessions in schools in Kwara, alongside the commencement of Monitoring and Evaluation. October 2022 marks the training of Teachers/Facilitators on Flashcards, while the Midline Assessment is scheduled for January 2023. Fast forward to March and July 2023, we had a second round of Students/learner Engagement in Kwara and Osun respectively. Then, we proceed with the Onboarding of Teaching Fellows in Climate Education Training Fellowship in October 2023. In the months that follow, we continue with Student/Learner Engagement sessions, spanning across schools in Borno in November 2023, as well as an IDP camp in Borno in January 2024. Finally, the project culminates with the Endline Assessment in February 2024. And the model was reused all through the year 2024.

SUMMARY OF KEY ACTIVITIES IN PICTURES

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- Target Audience Selection





- **Baseline Assessment**



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SHEIKH AMBALI YUSUF
MEMORIAL HALL.

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CLIMATE CHANGE
EDUCATION

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EDUCATION
revolutionising
change Education for
marginalised learners

BRAIN BUILDERS
YOUTH DEVELOPMENT
INITIATIVE

Presents

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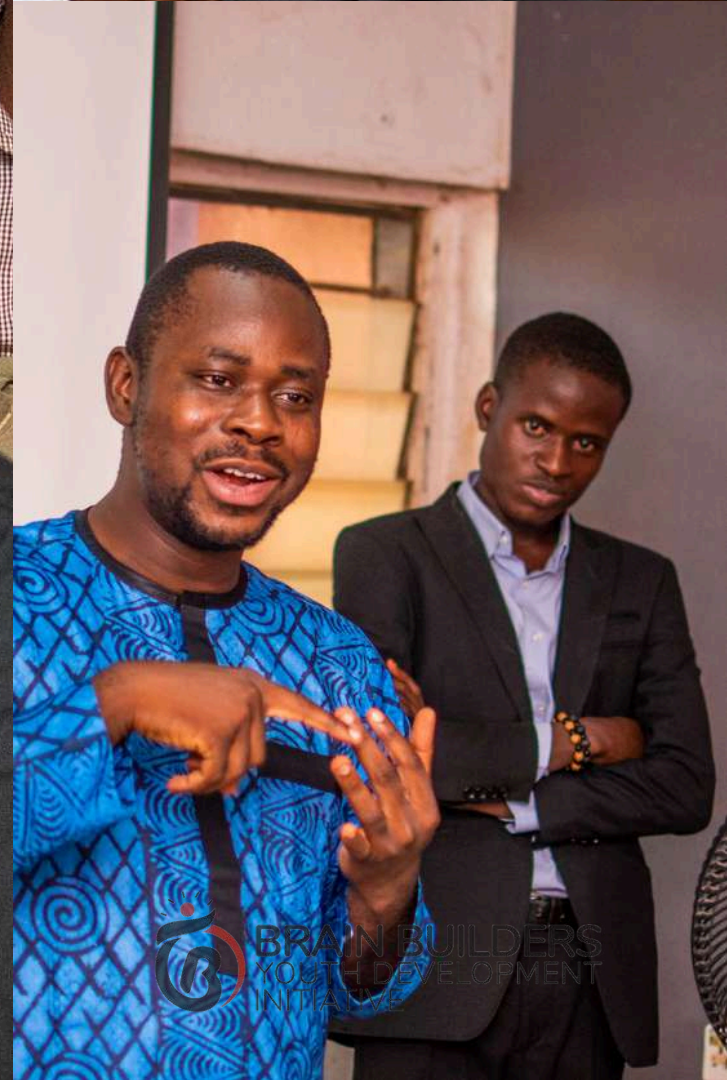
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- Teachers/Facilitators Training







- Onboarding of Teaching Fellows







- Students/Learner Engagement Sessions







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BRAIN BUILDERS
YOUTH DEVELOPMENT
INITIATIVE

Presents

UNLOCKING BIG CHANGE WITH CLIMATE EDUCATION TRAINING

ON INNOVATING CLIMATE CHANGE
EDUCATION
Revolutionizing Climate Change Education
for Marginalized Learners!

- FEATURING:
- CLIMATE CHAMPS FLASHCARD FOR LEARNERS
 - CLIMATE CHAMPS ACTION PLAN FOR SUSTAINABLE ENVIRONMENT
 - CLIMATE CHAMPS ENVIRONMENTAL TIPS FOR 0-18 LEARNERS










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INITIATIVE

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much more.

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INITIATIVE

... Voices
... Education
... Bridge the Gap.
... Innovate
... and Learners!

Education + Innovation =
Climate Solutions

Breaking Boundaries:
Inspiring Change
Innovative Climate Action
for Every Student

Bridge the Gap:
Fight Climate Change:
Innovate for Marginalized
Learners!

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YOUTH DEVELOPMENT
INITIATIVE

**Classrooms for Change:
Let's Educate for a
Better Planet!**

CLIMATE
CHANGING
WEATHER

THE
GREENHOUSE
EFFECT

Brain Builders
youth development
initiative
... for every student



HOME ECONOMICS
WORKSHOP

Save
our Planet

UNDERSTANDING
CLIMATE CHANGE
• The Greenhouse Effect
• Rising Temperatures
• Extreme Weather
• Disrupted Ecosystems
• Impacts on People

Innovation + Innovation =
Climate Solutions

...
r future

Clean Water

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YOUTH DEVELOPMENT
INITIATIVE
Present
BIG BIG
CLIMATE
TRAINING
EXCHANGE



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INITIATIVE

**Education for Every Child:
Innovative Solutions for
Climate Resilience!**

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INITIATIVE

**Innovate for Change:
Climate Education for
Marginalized Learners!**

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YOUTH DEVELOPMENT
INITIATIVE

**Classrooms for Change:
Let's Educate for a
Better Planet!**

BRAIN BUILDERS
YOUTH DEVELOPMENT
INITIATIVE

**Empower All Voices:
Innovative Climate Education
for Every Learner! Bridge the Gap,
Fight Climate Change: Innovate
for Marginalized Learners!**

- Mid-line Assessment





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- Endline Assessment



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- Closing Out



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...revolutionalising Climate
change Education for
marginalised learners





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Impact Reach and Analysis

The project reached **100 teachers** and **over 5000 marginalised learners** directly across the targeted secondary schools and IDP camps in Kwara, Osun, Oyo, and Borno State.

Kwara State

In Kwara, the Climate Education Training for teachers was conducted in October 2023 in Ilorin, Kwara State. The training was organized in collaboration with Tolulope Gbenro, and support from LEAP Africa and Nigeria Youth Futures Fund. The training also features a teachers' workshop on climate education; a roundtable consultation of stakeholders; the distribution of climate flashcards; and an interactive session with teachers.

The program successfully trained over 50 educators, representing a diverse group of schools in Kwara State, Nigeria. Beyond the training, teachers established Climate Change education efforts in their respective schools to ensure sustained education and engagement. The teachers were also onboarded into a follow-up fellowship to support and track changes

The training reached over 2200 learners in Kwara state using our purposeful and random sampling techniques.

State	Impact and Reach Metrics		
Kwara State	Reached 50 Teachers/Educators From institutions and schools: Home and Street Kids Initiative; Lamp Bearers School, Asa-Dam; Offsprings Hill School; Government Day Secondary School; Kwara Smart School; Ajoshe Model College, Ilorin; Sango Secondary School; Government High School, Adeta, Barakat Community Secondary School...		
	School	Student Population reached	Percentage
	Sango Junior Secondary School, Kulende	890	40.1%
	Sango Senior Secondary School, Kulende	465	21.0%
	Government High School	162	7.3%
	Barakat Community Secondary School	700	31.6%
	Total	2217	100%

State	Impact and Reach Metrics		
Osun State	Reached 30 Teachers/ Educators and over 2,000 learners reached in the last two years		
	School	Student Population reached	Percentage
	Fakunle Comprehensive High School	510	25.5%
	Laro Grammer School	555	27.6%
	Osogbo Grammar School	490	24.5%
	Nacomyo Comprehensive College	445	22.4%
	Total	2000	100%

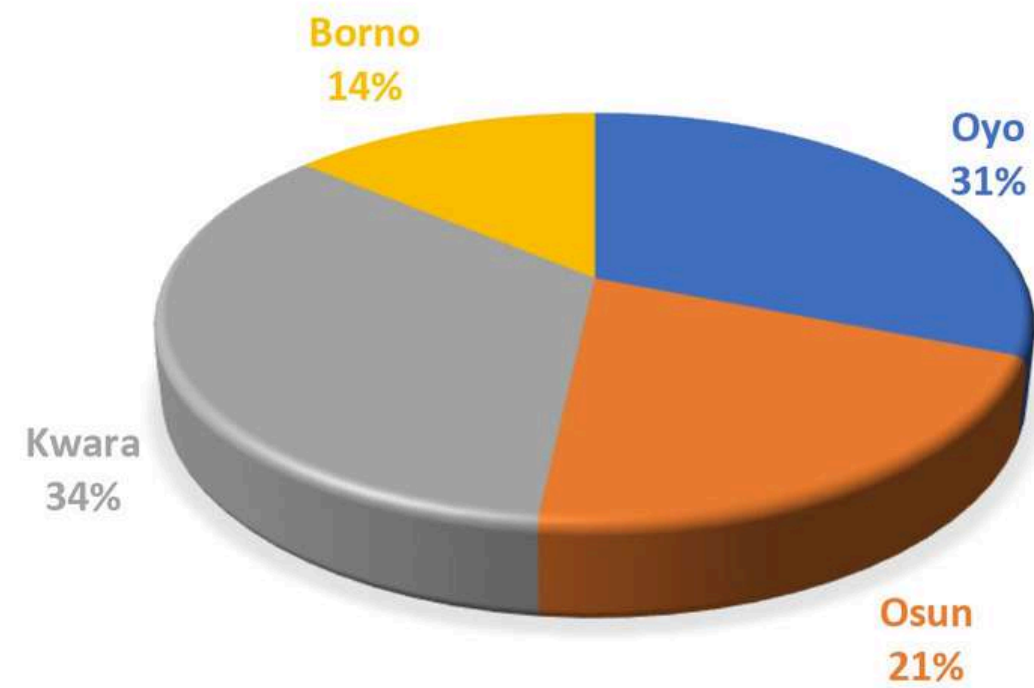
Borno State	Reached 20 Educators and over 800 learners residing in IDP camps		
	School	Student Population reached	Percentage
	Zuma memorial school	465	58.1%
	IDP Camp	Student Population reached	Percentage
	El-Miskin IDP camp	335	41.9%
	Total	800	100%

State	Impact and Reach Metrics		
Oyo State	Reached 45 Teachers/ Educators and over 1,500 learners reached in the last two years		
	School	Student Population reached	Percentage
	Lagelu Grammar School	380	24.8%
	Loyola College	630	41.2%
	Bishop Philips Academy	520	40.0%
	Total	1530	100%

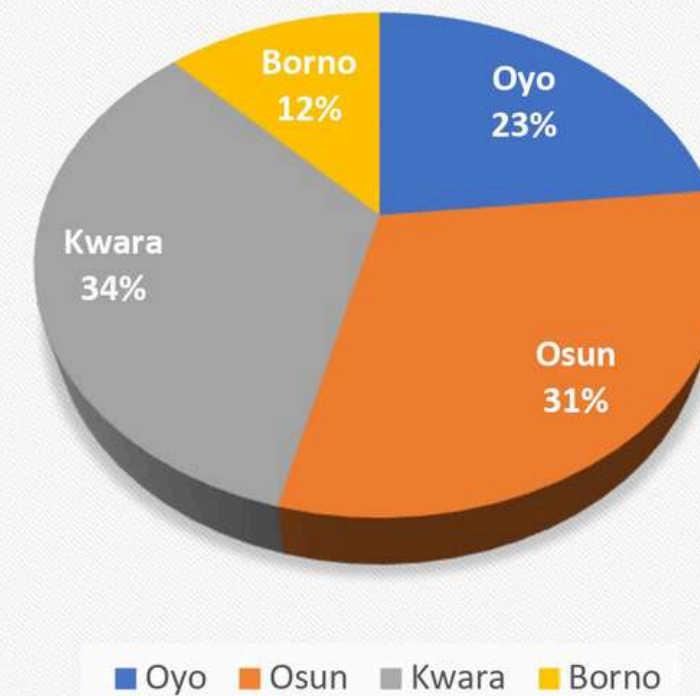
Over the past two years, our initiative has successfully reached 30 teachers and educators, as well as over 2,000 learners in Osun state, through our comprehensive climate education programs. Through workshops, training sessions, and interactive activities, we have equipped these educators with the knowledge and skills needed to effectively integrate climate education into their teaching practices. Simultaneously, we have directly engaged with over 2,000 learners, empowering them to understand the complexities of climate change and inspiring them to take meaningful action towards environmental sustainability.

Additionally, our outreach efforts have extended to marginalised communities, particularly those residing in Internally Displaced Persons (IDP) camps, where we have reached 20 educators and over 800 learners. Despite the challenges posed by displacement and limited resources, our programs have provided essential knowledge and support to educators and learners in these camps, fostering resilience and promoting environmental awareness even in challenging circumstances. Through these endeavours, we are proud to have made a significant impact on both educators and learners, catalysing positive change and promoting a more sustainable future for all.

TEACHERS/EDUCATORS ENGAGEMENT REACH



Students/Learners Engagement Reach



[Baseline and Endline Assessment Analysis

The baseline assessment was conducted before the implementation of the Climate Champs Flashcards intervention, while the end-line assessment was conducted after the intervention period.

The analysis aims to evaluate the functionality and effectiveness of the Climate Champs Flashcards in enhancing students' knowledge, attitudes, and practices regarding climate change.

Baseline Assessment

Variables	Mean	Median	Mode	Std. Deviation	Min	Max
Knowledge	9.15	9.00	9.00	2.62	1	17
Attitudes	24.95	25.00	25.00	3.80	13	38
Practices	29.30	30.00	32.00	4.02	18	38

Endline Assessment

Variables	Mean	Median	Mode	Std. Deviation	Min	Max
Knowledge	12.50	13.00	13.00	2.95	5	20
Attitudes	30.25	31.00	31.00	3.60	18	42
Practices	33.75	34.00	35.00	3.80	22	42

Knowledge of Climate Change: At baseline, the mean knowledge score was 9.15, while at the end-line, it increased to 12.50. This indicates a significant improvement in students' understanding of climate change concepts after the intervention. The increase of 3.35 points in the mean knowledge score represents a substantial gain in students' understanding of climate change. This improvement can be attributed to the effectiveness of the intervention, which included engaging activities, interactive discussions, and hands-on experiments that helped students grasp complex climate change concepts.

The standard deviation decreased from 2.62 to 2.95, suggesting that the distribution of knowledge scores became more clustered around the mean, indicating a more consistent improvement across students. This reduction in the standard deviation indicates that the intervention was successful in reducing the variability in students' knowledge scores. In other words, the intervention contributed to a more uniform improvement in students' understanding of climate change, ensuring that all students benefited from the learning experience.

Attitudes towards Climate Change: The baseline mean attitude score was 24.95, which increased to 30.25 at the end-line. This indicates a notable positive shift in students' attitudes towards climate change following the intervention. The standard deviation decreased from 3.80 to 3.60, indicating a reduction in the variability of attitude scores and a more uniform improvement among students.

Practices related to Climate Change: Students' engagement in climate-friendly practices also showed improvement. The baseline mean practice score was 29.30, which increased to 33.75 at the end-line, indicating a positive behaviour change. The standard deviation decreased from 4.02 to 3.80, indicating a reduction in the variability of practice scores and a more consistent improvement among students.

Overall, our evaluation findings revealed significant improvements in students' knowledge of climate change and their confidence in taking action to address environmental issues. This is evident in the mobilisation of their peers and community members to take collective action to combat climate change through actions against plastic pollution and promote environmental awareness.

Furthermore, teachers reported greater enthusiasm for incorporating climate education into their lesson plans, indicating the project's potential for long-term sustainability and scalability.

SUCCESS STORIES

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“

I have always seen adverts on climate change and recycling. It now makes more sense to me and I am happy to be a Champion. I look forward to enlightening my colleagues and people in my neighbourhood.

Kolade

Loyola College

“

Since the last training, we now organise clean-up drives in our community every month. It feels good to make a positive impact on our environment.

Mariam Abdulkareem

Fakunle Comprehensive High School





“

I learned about the importance of recycling and now collect plastic bottles to sell. It makes me feel like a Climate Champion as I am doing something good for the environment and also earning for survival.

Khadijah

Sango Senior Secondary School

“

Another notable success story from the project involves Mr. Abubakar who initiated a step-down training for other teachers in the school after participating in the climate education training. Inspired by what he learned from the Climate Champs Flashcards educator's training, this teacher utilised local resources to recreate innovative learning materials.

Mr. Abubakar Wahab Ishola

Sango Senior Secondary School, Kulende



“

In Ibrahim’s words, my parents now separate wastes generated at home and we now use different bin bags for different types of waste and we are more conscious about reducing plastic usage.

Together with Shafa, we were taken to the school garden to see the difference since our last visit and training.

Ibrahim & Shafa

Zuma Memorial School





“

The climate education training has inspired us to incorporate sustainability into our curriculum. We now teach our students about environmental conservation and encourage them to take action both at school and at home.

Mrs. Rotimi Olamide

Government Day Secondary School



“

In November 2023. He marked the beginning of Climate Change Awareness in his school together with the support of another teacher. The Climate Flashcards were used to train students of the school.

Mr. Aladodo Abdus-Salam

Ajoshe Model College

CONCLUSION & RECOMMENDATION

[Conclusion & Recommendation

In conclusion, the "Unlocking Big Change with Climate Education Training" project has demonstrated the transformative power of climate education in empowering marginalised learners and fostering sustainable development.

To build on this success, we recommend further investment in teacher training programs, curriculum integration efforts, and community engagement initiatives to ensure the long-term impact and sustainability of climate education initiatives in Kwara, Osun and Borno State, Nigeria and beyond.



ACKNOWLEDGEMENTS

PROJECT SPONSOR



PROJECT PARTNER & COLLABORATOR




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AFRICA INITIATIVE**
IMPROVING LIVES, PRIOTIZING HUMANITY

FLASHCARDS INNOVATION IN PICTURES



Presenting
**PACKING BIG
WITH CLIMATE
TRAINING**
CLIMATE CHANGE

 **BRAIN BUILDERS**
YOUTH DEVELOPMENT
INITIATIVE

**Breaking Boundaries,
Inspiring Change:
Innovative Climate Education
for Every Student!**



SHEIKH AMBASSI YUSUF
MEMORIAL HALL.


THIS HALL IS DEDICATED TO
THE MEMORY OF SHEIKH YUSUF
AMBASSI, A DEDICATED TEACHER
OF THIS SCHOOL & LIVED ON
LEAVING TO AVOID THIS SCHOOL.

LOCKING IN WITH
CLIMATE TRAIL
NOVATING CLIMATE
EDUCATION
SUSTAINABLE CLIMATE CHANGE
EMPOWERMENT & COMMUNITY
CLIMATE PLANNING

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**There is no
Planet B**







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Presents

UNLOCKING BIG CHANGE WITH CLIMATE EDUCATION TRAINING

ON INNOVATING CLIMATE CHANGE EDUCATION

Revolutionising Climate Change Education for Marginalised Learners!

FEATURING:

- CLIMATE CHAMPS FLASHCARD FOR LEARNERS
- INNOVATING CLIMATE ACTIONS FOR SUSTAINABLE DEVELOPMENT
- SUSTAINABLE ENVIRONMENTAL TIPS FOR 0-18 YEAR OLD LEARNERS





Generating less
trash saves energy
and prevents
overflowing
landfills.
Take grocery bag
along for shopping.

Generate less trash
Save energy
Prevent overflowing
landfills

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ON INNOVATING CLIMATE CHANGE
EDUCATION

TAGGED: Revolution for
the future



"If you are not
willing to learn,
no one can help you.
If you are determined
to learn, no one can stop you."

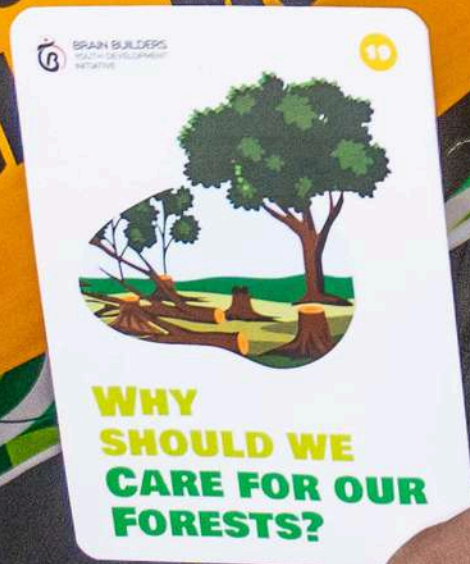






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**Teach Climate,
Save Tomorrow:
Join the Movement!**





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UNLOCKING BIG CHANGE WITH CLIMATE EDUCATION TRAINING

ON INNOVATING CLIMATE CHANGE
EDUCATION

TACCEP Revolutionizing Climate Change Education
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- SUSTAINABLE ENVIRONMENTAL TIPS FOR 0-18
YEAR OLD LEARNERS





**Rise for Climate Literacy:
Educate Today,
Sustain Tomorrow!**

**Innovate, Educate,
Advocate:
Students for Climate
Action**

**Education + Innovation =
Climate Solutions**

**Teach Climate,
Save Tomorrow,
Join the Movement!**

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ON INNOVATING CLIMATE CHANGE
EDUCATION

TAGGED: Revolutionising Climate Change Education
for Marginalized Learners!

FEATURING:

CLIMATE CHAMPS FLASHCARD FOR LEARNERS
INNOVATING CLIMATE ACTIONS FOR SUSTAINABLE
DEVELOPMENT
SUSTAINABLE ENVIRONMENTAL TIPS
FOR 0-18 YEAR OLD LEARNERS



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for Every Learner! Bridge the Gap,
Fight Climate Change! Innovate
for Marginalized Learners!

Education for Every Child:
Innovative Solutions for
Climate Resilience!

Teach Climate,
Save Tomorrow!
Join the Movement!

Bridge the
Gap, Fight Climate
Change! Innovate for

Use for Climate
Education
Trust!

Innovate for Change!
Climate Education for
Marginalized Learners!

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Presents
BIG BIG
CLIMATE
TRAINING
EXCHANGE

Save
our Planet

Clean Water

UNDERSTANDING
CLIMATE CHANGE
• The Greenhouse Effect
• Rising Temperatures
• Rising Sea Levels
• Droughts & Floods
• Impacts on Agriculture

Education + Innovation =
Climate Solutions

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... for
our future

HOME ECONOMICS
WORKSHOP





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