

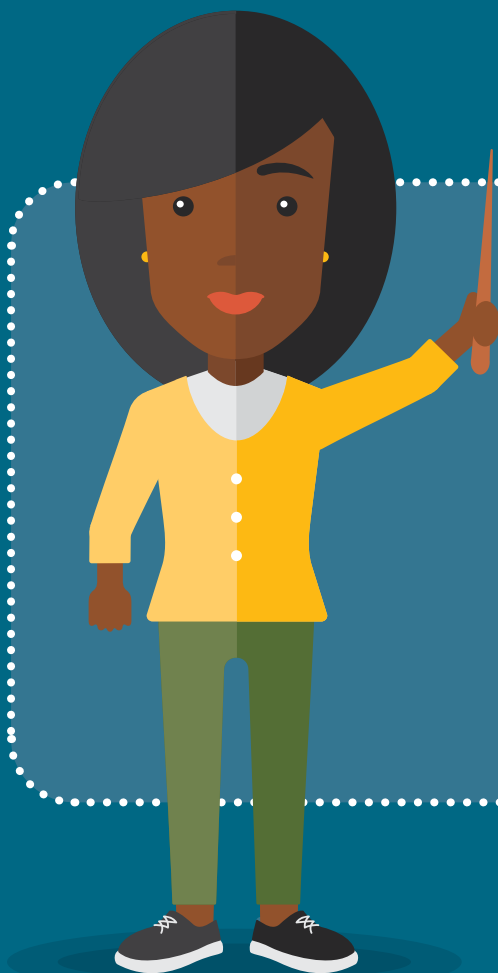


CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

LET'S ACT

FOR A STRONGER CAPE TOWN

CLIMATE SMART TEACHING



Making sustainable living a reality in Cape Town homes

Making progress possible. Together.

HOW TO BECOME A CLIMATE SMART TEACHER

Tackling climate change and becoming more resilient in our homes, schools, places of work and as a Cape Town community requires the participation and collaboration of each of us. There are many simple actions, some big and some small, that each can take to contribute. By making informed choices and taking collective action, we can uplift ourselves and those around us to help create a stronger city.

Climate change is a global threat which has already caused significant economic, social and environmental impact and hardship.

Capetonians are familiar with the impact of climate change due to the drought we experienced in recent years. But by working together, we reduced water use by 50% in record time to avoid the worst. This kind of collaborative action is what we need to become more resilient, stronger and help reduce the impact of climate change.

Having a clear Climate Change Strategy and Action Plan in place enables the City to take action to reduce greenhouse gas emissions and approach neutrality by 2050. The City also embarked on a new climate change response and resilience campaign, Let's ACT. For a stronger Cape Town. It aims to enable and support residents, communities, businesses and organisations to take action for a stronger, healthier and more resilient Cape Town for all.

As a practical tool in support of the Let's ACT campaign, the City developed the Smart Living Handbook and support programmes with information and tips to make sustainable and resilient living a reality.

Many of us know that we should be doing something, but are often unsure about what to do and how to do it. This handbook aims to provide information and practical actions to help us all to protect the environment, save money and make our homes, schools and offices better and safer places to live and work in.



There are six chapters in the book: Water, Waste, Energy, Environment, Transport and Heritage. Each chapter of the handbook provides key challenges:

- 1. WHAT THE CITY AND ITS PARTNERS ARE DOING TO MANAGE THE RESOURCE OR ISSUE**
- 2. WHAT YOU CAN DO IN YOUR HOME/ SCHOOL/OFFICE**
- 3. PRACTICAL RESOURCES**
- 4. STEPS FOR IMPLEMENTATION**

We believe that teachers can play a major role to help us convey all these very important messages/ issues around climate change to our learners in an interesting and climate smart way; and the bonus is that it is linked to the curriculum.

In partnership with the Primary Science Programme (PSP), climate smart workshops will be hosted with teachers to help them identify the Smart Living Handbook links in the curriculum.

PSP is a trusted non-profit organisation (NPO) recognised for their effective approaches to improving the quality of primary education in South Africa, particularly in under-resourced schools. They do this through the training and professional development of teachers.

Below is a table that shows the different links between the Smart Living Handbook and the curriculum:

LIFE AND LIVING	MATTER AND MATERIALS	ENERGY AND CHANGE	PLANET EARTH AND BEYOND
GRADE 4			
Animal habitats Shark smart flags pg. 125 Living things Importance of trees pg. 136 Re-use materials for plant holders pg. 79	The water cycle The importance of water pg. 9	Energy and electricity Energy in your home pg. 198-199 Electrical safety quiz pg. 223 General emergency numbers pg. 228 Design, make and evaluate a musical instrument pg. 79	Re-use waste paper to make models of the sun, Earth and the moon pg. 79
GRADE 5			
	Metal and non-metals Recycling cans and metal pg. 84-85 Safe cleaning materials to clean metals pg. 99	Burning fuels Paraffin safety quiz Candles, coal and wood safety quiz pg. 224-225 Cells, batteries, bulbs Recycling or safe management of specific types of hazardous waste pg. 93-95	Surface of Earth Importance of water pg. 9 Water is precious pg. 34-39 Greywater: what it is, how and where to use it, dos and don'ts of greywater
GRADE 6			
Ecosystems Climate change pg. 111	Processes to purify water General rules for greywater use pg. 35 Water footprint, and rights and responsibilities to clean water pg. 17-22 Mixtures and water resources Water supply system pg. 13		
GRADE 7			
	Acids and bases Greywater effects on soil pg. 38 Alternative options to reduce household hazardous waste pg. 97-101	Renewable and non-renewable energy Transport and energy use pg. 157-158 Information about hybrid electric cars and how they work pg. 170 Climate change, the greenhouse effect pg. 174-175 Renewable energy resources pg. 177-184 Energy consumption and carbon emissions pg. 187 Gas safety quiz pg. 226	Periodic Table Elements found in greywater pg. 38
	Sorting and recycling materials pg. 53-57 Linear and circular economy pg. 65 Zero-waste principles pg. 78 Household waste audit pg. 83 Hazardous waste audit pg. 91-92, 102-103		Ocean tides Tips for swimming safety pg. 126

TO MAKE A BOOKING FOR A CLIMATE SMART WORKSHOP, CONTACT PSP ON:

Tel: +27 21 691 9039 or email: info@psp.org.za

MORE INFORMATION:

PSP's projects and programmes: <https://www.psp.org.za/>

City of Cape Town: www.capetown.gov.za/environment

Smart Living Handbook: <https://bit.ly/Smartliving2020>

Other Smart Living programmes: smartliving@capetown.gov.za

Climate Change Strategy: <https://bit.ly/CCT-ClimateChangeStrategy>

Let's ACT home page: www.capetown.gov.za/ClimateChange

WATER



WASTE



ENVIRONMENT



TRANSPORT



ENERGY



HERITAGE

