

GROW SMART

GROW SMART

An initiative by GROWTHPOINT PROPERTIES

in collaboration with



Western Cape Government
Education

Third Edition 2012

EXPLORE THE WORLD

- AROUND THE WORLD
- Tips for tolerance
- FUN EXPERIMENT: make your own volcano
- Vuyo and Gemma go on holiday

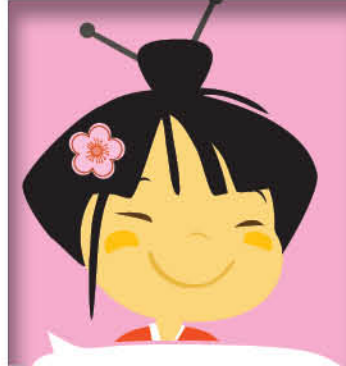
Hello



Aloha



Konnichiwa



Namaste



As-Salāmu
Ālakum



Tja



Halito



Hoi



Nei ho



Guten tag



Zdravstvuj



E kaaro



Hola



Goddag



Olá



Hoezit



DEAR GROWSMARTER

Welcome to the last edition of the Growsmart newspaper for 2012. In *Explore the World*, you'll learn about how diverse our world is and see what children – like you – get up to in their different countries. Follow the tips for tolerance to ensure that you treat people from different cultures with the respect they deserve. Tolerance is especially important in a country as diverse as South Africa.

In between getting your cultural education, you can also practice your maths skills – crucial for a budding Growsmarter! Of course, let's not forget the science

buffs. Make your own volcano with the help of Professor Thandi.

Take a trip with Vuyo, Gemma and the quadruplets as they go on holiday.

The mouse family might be on vacation, but you're not! It's the last stretch, so give it all you've got. Then you can rest with the knowledge that you've given your best! Let's grow smart together.

Until next time,
The Growsmart Team



ADVENTURE ANIMATION ANTICIPATION
ACQUISITION BANK BLEMISH BLUSTER
BORDER CABBAGE CHRONOLOGICAL
COACH CONCOCTION COLONEL CRESCENT DANCE
DEBATE DESERT DISSIMILAR EARLY ECHO EDIBLE
EFFECTIVE FACADE FIXATION FLOAT FOG
GARBAGE GIST GLEE GONDOLA HEALTHY
HETEROGENEOUS HIMALAYA ICONIC IDENTICAL
JADE JERSEY JOLLY KEEN KNEAD LEGEND
LUGGAGE MACHINE MEASURE MIRROR NEVER
NAUSEOUS OSTENTATIOUS OUTGOING
OTHERWISE PASSPORT PULL QUALIFY
QUENCH QUIRKY RACKET READ
RELIGION SATURATE SCENE SEASHORE
STRAIGHT TANGO TENACIOUS TWIN
ULTIMATE UMBRELLA UNCERTAIN
VACANT VERBOSE WANDERER
WRECK XHOSA YACHT YEARN
ZEST ZIGZAG



AROUND THE WORLD

BRAZIL

FAST FACTS

- Brazilians are descended from Africans, Portuguese and Native Americans.
- The country contains the world's largest tropical rainforest – the Amazon.
- Some kids live in large slums, called favelas, which are similar to our townships.
- Samba music is very popular and often forms part of big parades.

- Sao Paulo is the largest city in South America. It is home to different cultures, as well as Brazil's own form of martial art – capoeira.
- Another city, Rio de Janeiro, is famous for its beautiful beaches and the annual Rio carnival, which is a colourful parade with music and people.

FOOD

- Brazil is the biggest producer of coffee beans and the second biggest producer of sugar.
- Some of the delicious fruits that grow there include guava, pineapple and papaya. Sounds like a sweet summer fruit salad!

LANGUAGE

- Portuguese is the official language. Spanish is also widely spoken.

SAY IT IN PORTUGUESE!

GOODBYE: adeus
HELLO: olá
YES: sim
THANK YOU: obrigado

CLASSROOM ACTIVITIES:

Pretend that you live in Brazil and write a diary entry of a day in your life. If necessary, do some more research about what kids get up to in this country.

FABULOUS FRACTIONS

Which fraction is greater?

☐

$\frac{4}{5}$

☐

$\frac{4}{6}$

☐

Neither; they are equal.



$$5 \times 100 = 500$$

Debbie has completed $\frac{1}{2}$ of her written assignment. Unathi has finished $\frac{3}{4}$ of her written assignment. Who has finished a greater fraction of their written assignment?

☐

Debbie

☐

Unathi



$$\frac{6}{600}$$

Which sign makes the sentence true?

$$\frac{12}{100} \quad ? \quad 0.9$$

☐

>

☐

<

☐

=

Write $\frac{7}{10}$ as a decimal number.



Which fraction is less?

☐

$\frac{1}{4}$

☐

$\frac{1}{2}$

☐

Neither; they are equal.



friends
forever

GOOD

AROUND THE WORLD

GERMANY

SAY IT IN GERMAN!

GOODBYE: auf wiedersehen
HELLO: guten tag
PLEASE: bitte
THANK YOU: danke

FAST FACTS

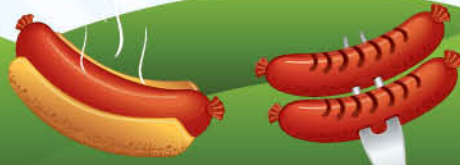
- Germany is Europe's most populous country. This means that many people live there!
- The Germans have a great respect for the environment and they are really good at recycling. They also love the outdoors, even though it's freezing in winter!
- Many of the famous fairy tales, like *Cinderella* and *Red Riding Hood*, originated from Germany. The brothers Grimm wrote down old stories people told them and shared the stories with the rest of the world.

FOOD

- Germans are well known for their range of sausages or *wurst*, like *bratwurst*, *frankfurter* and *bockwurst* to name a few.
- Pretzels are also very popular, along with local breads, cheese and beer.

LANGUAGE

- Different areas have different accents, but everyone speaks German.
- English is also taught at school.



FAST FACTS

- Beijing is the capital city.
- 1 billion people live in China. Compare this to our population of only 50 million people!
- Fortunately, it is the third largest country in the world (after Russia and Canada).
- We can thank the Chinese for silk, paper, the compass, umbrellas, kites and tea. These are some of their major inventions.
- Children have to go to school for eight hours every day! Plus an extra month more each year than you do.
- Cars are too expensive for most Chinese, so you'll see bicycles everywhere when you visit the country. A very environmentally-friendly form of transport!

FOOD

- Rice is their staple food. This means that most Chinese dishes contain rice.
- In North China, people also enjoy dumplings and noodles. Dumplings are cooked balls of dough.
- Instead of sweets, Chinese children snack on sunflower and pumpkin seeds. Very healthy!

COMMUNISM is a political and economic system in which resources – such as mines and farms – are owned by the public or the state. Wealth is divided among citizens equally or according to individual need.

AROUND THE WORLD

CHINA

LANGUAGE

- Mandarin is the official language. It is also the language most widely spoken in the world (because there are so many Chinese people).
- Instead of using an alphabet with 26 letters, the language is based on characters representing words. Talk about complicated!
- Beginners start with 500 basic characters. Compare that with our alphabet that only contains 26 letters!

FLAG FACTS

RED: represents happiness and luck
LARGE STAR: a symbol of **COMMUNISM**
SMALL STARS: represents students, soldiers, workers and peasants



Study MIGHTY MULTIPLICATION

$$6 \times 495 =$$

$$6 \times 323 = 1938$$

Charly's Bakery makes four kinds of pies. The school orders 319 of each kind of pie. How many pies in total did the school order?

Which of the following is equal to 10×3 ?

- ☐ $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
☐ $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
☐ $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$
☐ $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3$

$$6 \times 495 = 2970$$

$$22 \times 97 \times 86 =$$

There are 9 buses that go to your school. The buses each have 8 rows of seats with 6 seats in each row. How many learners can ride to school if all the seats in all the buses are full (no standing allowed)?

AROUND THE WORLD EGYPT

FAST FACTS

- Egypt is situated in North Africa. It also forms part of the Middle East.
- It gets pretty hot there! In summer, the average temperature is 38°C .
- The longest river in the world is called the Nile River. It is about 6 695 kilometres long. 22% of the length of the Nile runs through Egypt before emptying in the Mediterranean Sea. The Nile is home to many animals, fish, birds and of course, the famous Nile crocodile...
- The Great Pyramid of Khufu is the only one of the Seven Wonders of the Ancient World that still stands. Until the 19th century it was the tallest building in the world.
- Cleopatra was the last pharaoh of Egypt. She belonged to a family of Greek origin that ruled after the death of Alexander the Great.

FOOD

- The most popular dish in Egypt is called *ful medames* – made of seasoned fava beans. It has been eaten since ancient times!
- Another popular dish, *koshari*, is made of lentils, rice and noodles, topped with spicy tomato sauce and fried onions.

LANGUAGE

- Egyptian Arabic is the most commonly spoken language.
- English, German and French are also widely used.
- The ancient Egyptians used a picture writing system called hieroglyphics. They did not write vowels and did not use punctuation. Their writing can still be seen on the walls of ancient pyramids, temples and tombs.

INTERESTING ANIMALS

BUSHY-TAILED JIRD: this fast-climbing gerbil has big ears and a big fluffy tail. It lives in the Egyptian desert.

LITTLE GREEN BEE-EATER: as its name suggests, this tiny bird eats bees. Fortunately it's clever enough to remove the bee's stinger before it starts eating! Its bright green body and turquoise face is a beautiful sight to see.



CLASSROOM ACTIVITIES:

Use hieroglyphs to write secret messages, tell stories or make classroom signs.

AROUND THE WORLD

INDIA

FAST FACTS

- India has its own very popular film industry called "Bollywood". In fact, more films are made in Bollywood than in Hollywood!
- New Delhi is the capital city.
- Pachisi – a cross and circle board game – is often called "India's national game".
- Kite flying is a widespread passion and the theme of many festivals in the country.
- Just like in many South African families, it is common tradition in India for families of several brothers to all live together.
- Diwali is a five-day autumn festival, also called "festival of lights". During the celebration, homes and temples throughout India are illuminated with a variety of candles and oil lamps.
- Two of the world's major religions – Hinduism and Buddhism – originated in India. Today, you will also find Muslims, Christians, Sikhs and Jains living together harmoniously.

FOOD

- Chapatti is unleavened bread that is cooked on the griddle until brown and bubbly. Spread it with butter or oil and you have a popular Indian side order!
- The country is famous for its chutneys, which are fresh or cooked relishes. We have our own very famous chutney – Mrs Ball's! In India, chutney is served at almost every meal. Nuts, chillies, fruits, herbs and spices are common ingredients.

LANGUAGE

- There are many languages spoken in India, of which 22 are officially recognised.
- Hindi and English are the official languages.

FLAG FACTS

SAFFRON: represents courage and sacrifice

WHITE: represents peace, unity and truth

GREEN: represents faith and fertility

BLUE: represents the sky and ocean

DHARMA CHAKRA: the blue wheel in the middle has 24 spokes and represents the continuing progress of the nation and the importance of justice



AROUND THE WORLD

NIGERIA

FLAG FACTS

GREEN: represents the harvest
WHITE: symbolises peace and unity, while it also represents the Niger River which divides the green countryside in two parts

FAST FACTS

- Nigeria is the most populous country in Africa.
- It's famous for its music and complex rhythms. This forms part of every celebration, along with enthusiastic dancing! Different music styles include juju, fuji, afrobeat and highlife.
- Measuring 4 184 kilometres long, the Niger is the longest river in West Africa.
- Christianity and Islam are the main religions in Nigeria.
- The country has rich oil resources.

SAY IT IN YORUBA!

LONG TIME NO SEE: e k'ojo meta
(to an older person)
LONG TIME NO SEE: o t'ojo meta
(to a younger person)
TWO HUNDRED: igba

FOOD

- Cassava (a root plant similar to the potato), millet (variety of grains), yams (similar to sweet potato), corn, rice, plantains (similar to banana), cocoa and peanuts are grown in Nigeria.
- The country used to export a lot of its food, but unfortunately they have to import most of it these days.

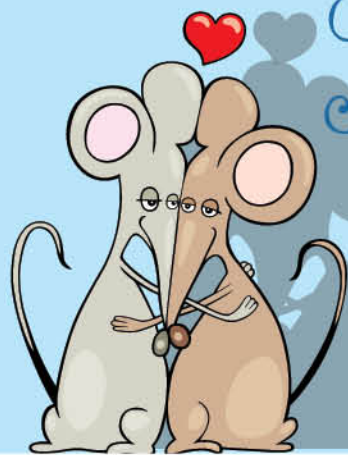
LANGUAGE

- English is the official language, but other major languages include Yoruba, Hausa, Igbo, Fulfulde, Kanuri and Ibibio.



Vuyo and Gemma

go on holiday



go on holiday

Gemma is preparing a three-cheese pasta for supper, when Vuyo comes home grinning from ear to ear. "Pack your mousepacks! We're going to seven continents in seven weeks," he shrieks. Four sets of ears prick up from underneath the kitchen table. The quadruplets have been playing a game of acorns – it's like a game of marbles, just with acorns – but Vuyo's news is much more interesting. He has won a family holiday for six and they are going to see the world!

When everyone's bags are packed, the mouse family waits for the Jack Russell taxi to take them to the airport. The holiday prize includes R12 500 pocket money, which has to be shared amongst the entire family. If Vuyo and Gemma take R4 500 in total and the rest gets divided amongst the quadruplets, how much pocket money will each quadruplet receive?

Answer: _____

The first stop is Kenya in Africa. This country is renowned for its spectacular wildlife and the quadruplets can't wait to get up close and personal with the Big Five – the elephant, rhinoceros, lion, leopard and buffalo. At the Samburu Game Reserve, the game ranger tells them that the majestic elephant, strolling along the riverbank, can drink 227 litres of water per day! If you take that into consideration, how many litres of water can five elephants drink over a period of five days?

Answer: _____

The next country to welcome the mouse

family is Ecuador in South America. Ecuador straddles the Equator, from which it takes its name. Although it is small, Ecuador's climate varies by region, due to differences in altitude. The first day, the quadruplets freeze off their little tails on the snow covered mountains. The next day, their tails get to defrost on one of the tropical beaches! The mouse family learns two very important phrases in Spanish, the official language: *por favor* which means "please" and *gracias*, which means "thank you".

In Canada, North America, the mouse family has their first encounter with a moose. It is the largest member of the deer family and its antlers – the two horns they use for fighting – can reach up to 1,5 m each! Afterwards, the quadruplets happily tuck into wondrous waffles topped with sweet maple syrup. Canada produces 80% of the world's maple syrup!

The fourth stop on the trip is Antarctica. Only 2% of land is not covered in ice and no-one lives there permanently, so this is a very special excursion by boat. Usually only scientists visit this fifth largest continent for a short while to study the land or its animals. If the total area of land is 14 000 000 km² and 98% of the land is covered in ice, how many square kilometres are ice free?

Answer: _____

"Ciao Bella," the mouse behind the ice cream counter greets Gemma. It means "hello, beautiful" in Italian. The mouse

family is now in Italy, Europe. This oddly-shaped country – it looks like a high-heeled boot – is famous for the best ice cream in the world and pizza. While the quadruplets lick their *gelato* ("ice cream" in Italian), Vuyo shares his knowledge about art and ancient Roman history. Leonardo da Vinci – a scientist, inventor, engineer, artist and architect – who lived in the 15th century, painted the famous *Mona Lisa* which can be seen in the Louvre museum in Paris.

In Asia, the mouse family visits Japan. This country is said to be made up of about 4 000 islands! The family is just in time to see the beautiful cherry trees in bloom. This only happens one week a year and everyone celebrates it! They learn that 70% of Japan is made up of mountains. The tallest – Mount Fuji – is an inactive volcano!

Next up is Australia – also known as "the land down under". It's a continent and a country. Everyone greets the mouse family with a friendly "g'day mate!". The quadruplets snorkel along the Great Barrier Reef – the world's largest coral reef ecosystem – and explore the variety of sea and animal life.

The last stop? Home! While the quadruplets' little brains are bursting with new knowledge and worldly inspiration, Vuyo and Gemma are happy that they could share this amazing experience with their *bambini* ("children" in Italian). However, there's truth in the saying: east, west, home's best!



PROFESSOR THANDI'S FUN SCIENCE EXPERIMENT

MAKE YOUR OWN VOLCANO

Create an awesome chemical reaction with baking soda and vinegar. Just keep some towels nearby in case of a mess!

YOU WILL NEED

- Baking soda
- Vinegar
- A big container to hold everything
- Paper towels (just in case!)

STEPS

1. Place two tablespoons of the baking soda into your container.
2. Slowly pour vinegar into the container.
3. Watch the volcanic reaction!

WHAT HAPPENS

Acids and bases are two related types of chemicals. When dissolved in water, acid solutions usually taste sour and base solutions (also called alkali solutions) usually taste bitter. The baking soda is a base, while the vinegar is an acid. When these two elements come together, they react to form carbonic acid, which instantly breaks apart into water and carbon dioxide and creates all the fizzing as it escapes the solution. Carbonic acid can be found frequently in the natural world. It plays an important role in your blood and it's also what makes fizzy drinks fizzy.

If you want your eruption to look even more impressive, use your craft skills to make the container look like a real volcano. Just like the ones in Brazil!

DID YOU KNOW THAT SODIUM BICARBONATE IS A BASE USED IN BAKING? IT IS ALSO KNOWN AS BAKING SODA OR BICARBONATE OF SODA. IT REACTS WITH THE ACIDS IN BATTERS, RELEASING CARBON DIOXIDE, WHICH CAUSES THE BATTER TO EXPAND AT BAKING TEMPERATURES.

TIPS FOR TOLERANCE

You have probably noticed that you are surrounded by people who are different than you. South Africa is well known for its ethnic and cultural diversity. That is why we are known as the "Rainbow Nation". We are indeed as colourful as a rainbow!

Just because someone is not like you, it doesn't mean that you can treat that person with disrespect. In fact, you should make an effort to be more accepting and tolerant. Give it a try. Our differences make us interesting to others and you might be surprised with an interesting new friendship!

Here are a few tips to improve your tolerance:

1. Treat other people the way you want to be treated.
2. Make friends with someone from a different cultural background than you.
3. Go to <http://usa.ipfpenfriends.com/> and start pen-pal relationships with kids from other countries. You will be able to write letters to pen-pals from all over the world!
4. Ask Mom to make different dishes from other cultures for dinner. That way you'll get to explore the world with your taste buds. Yummy!
5. Dancing is one of the ways different cultures express their identity. Learn a dance from a culture other than yours.
6. Learn about holidays and customs from other religions or countries.
7. Learn how to say different phrases in other languages. You'll find a few in this newspaper!
8. A stereotype is a set of beliefs about other people or things that are often inaccurate or false. For example, dogs are loyal, cats are lazy and donkeys are stubborn. Do you believe any stereotypes about other people and cultures? If you do, try and change them.

