

Series of Geological Popular Science



Grandpa Volcano

Exploring Xiaogoubei, and watching the volcano from children's eyes

Editor-in-Chief Zhang Zhonghui



THE YELLOW RIVER WATER CONSERVANCY PRESS

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Compilation: Henan Shanshui Geological Tourism Resources Development Co., Ltd

Website address of Wanguashan-Daimeishan Global Geopark

Chinese Website: <http://www.geopark-wdgy.com/>

English Website: <http://www.geopark-wdgy.com/en/>



Characters Introduction

We are all nature enthusiasts
and our footprints have spread over
half of China. Well, last weekend,
we just had an encounter with 1.7
billion years old Grandpa Volcano
on the way.



Dad
Engineer

Mum
Teacher



Diudiu
Pupil in Grade Four

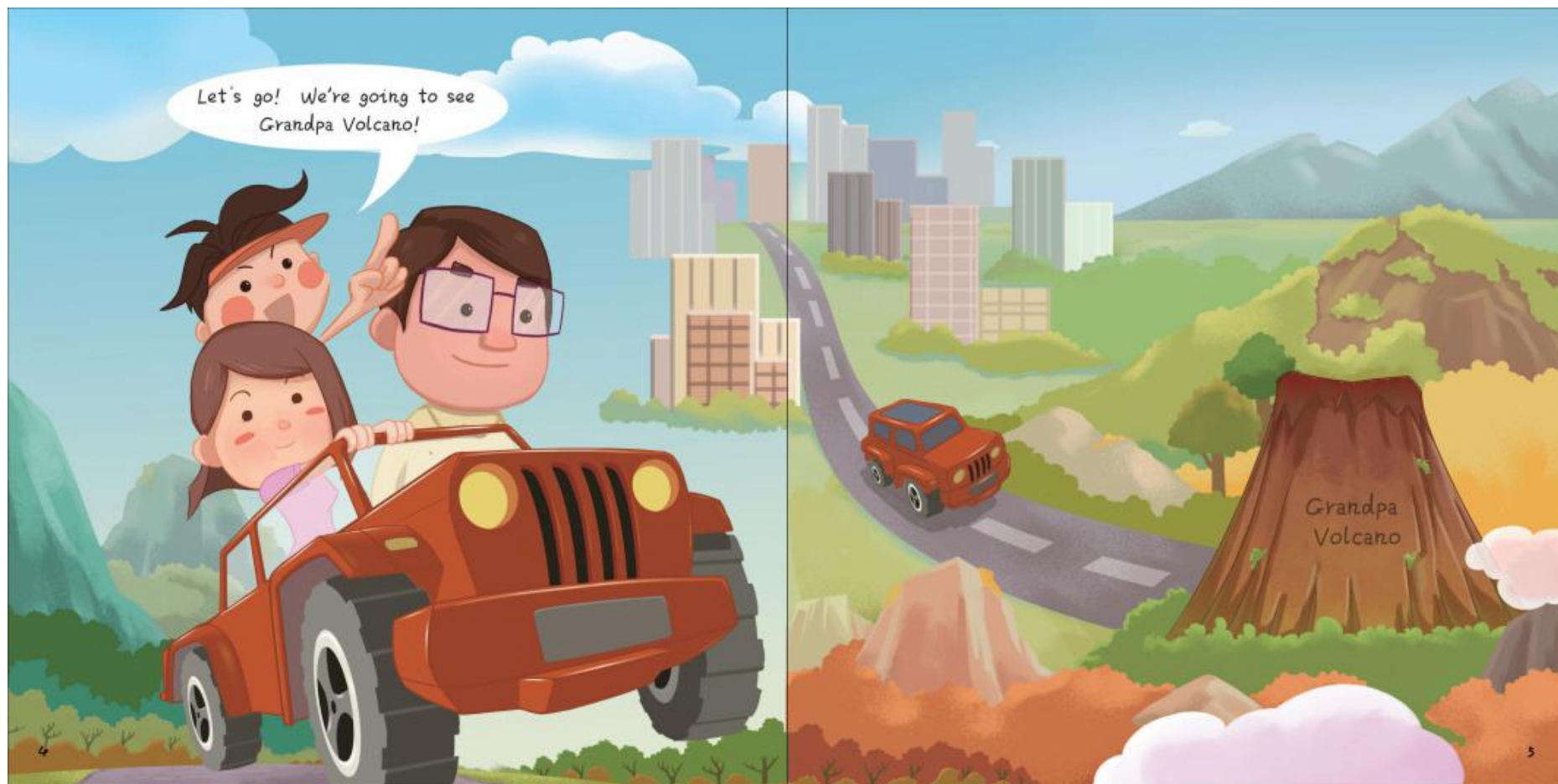


On Saturday morning, Diudiu went to the Youth Activity Center for classes as usual. The huge LED screen caught his eyes as soon as he got there.



After class, he took a poster and went home happily.





When Diudiu stared at the poster in hand excitedly, Grandpa Volcano was standing up from the poster suddenly. ○

Diudiu, how about having an air experience with Grandpa?

Grandpa Volcano

6

Diudiu involuntarily flew with Grandpa Volcano and got into a spaceship.

7



Aobei Mountain

Xiaogoubei

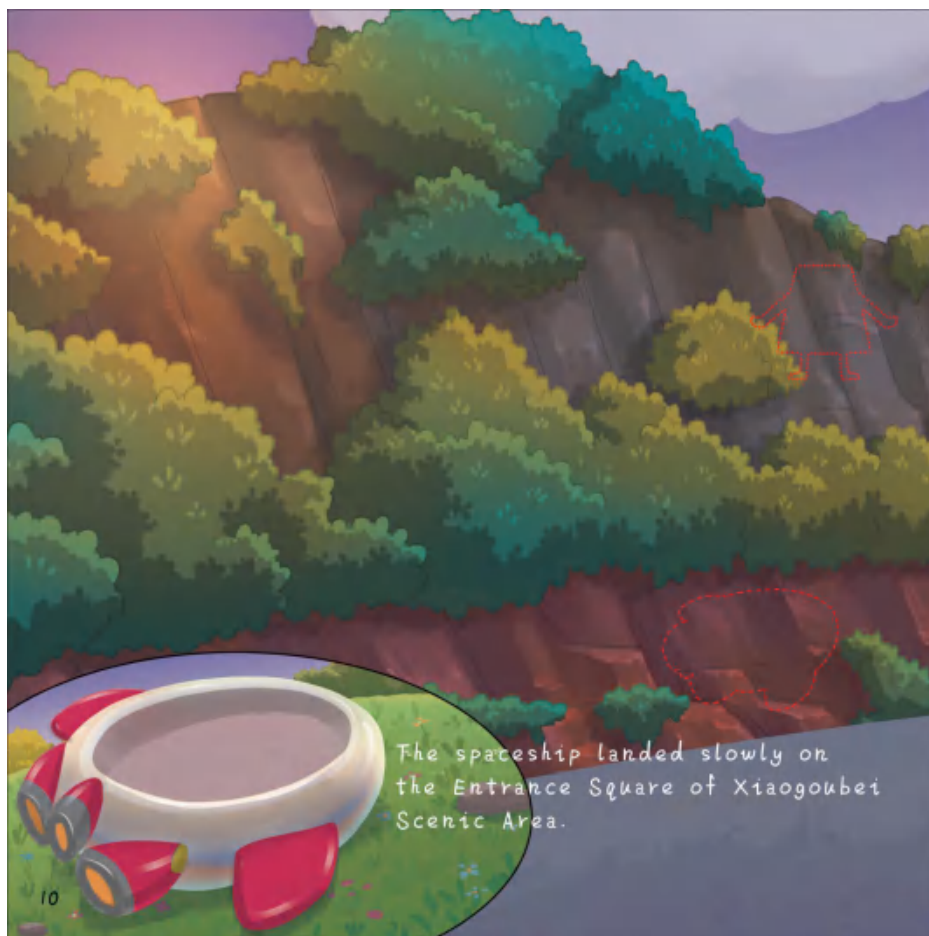
Daimei Mountain

Wangwu Mountain

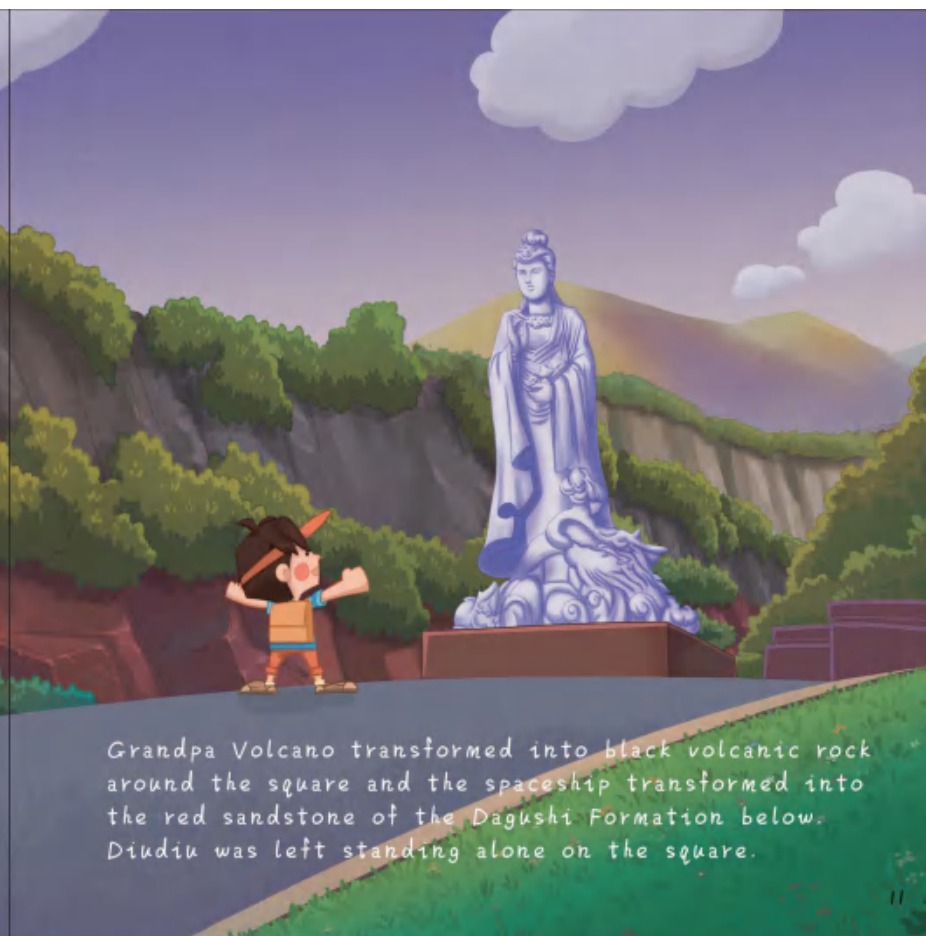
Yugong Statues

Yellow
River

Look! The big river is the Yellow River, and that is the mother river of the Chinese nation; The mountain that looks like a big house is the place where Emperor Huang worshipped the heaven in ancient times, named Wangwu Mountain; At its feet it is the place where Yugong moved the mountains; The mountain that looks like turtle's back is the Aobei Mountain, down the mountain is our destination — Xiaogoubei.



The spaceship landed slowly on the Entrance Square of Xiaogoubei Scenic Area.



Grandpa Volcano transformed into black volcanic rock around the square and the spaceship transformed into the red sandstone of the Dagushi Formation below. Diudiu was left standing alone on the square.

Diudiu slowly moved forward and the weather began to get dark, varying with mountain winds. He was scared to cry.

Gee? What's that noise?

Sizzling ⚡

Sizzling ⚡

Sizzling ⚡

Patches of golden flowers rose in the sky.
Diudiu ran to the light.

Diudiu saw a wonderful sight, he had never seen before in the place where the light shines. There was a burning stove in the open area where something red was boiling. An old man scooped up a spoon and poured it into the air. The black sky became golden at once, as if fairy is scattering flowers, and made a "sizzle sizzle" sound.



Diudiu took a closer look at the old man, and he looked really strange—his body was like pillows heaped together.

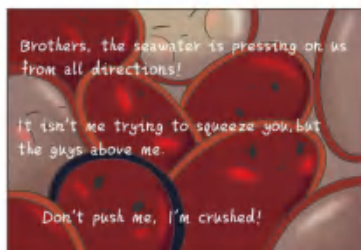




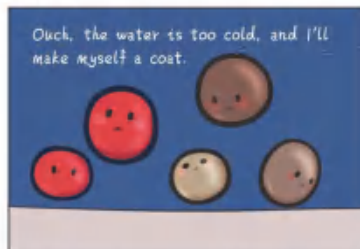
The process of my formation is a little like this. 1.7 billion years ago, Xiaogoubei was a vast ocean, and I was still deep underground magma with thousands degree temperature, which looked like the hot molten iron, red and hot. The Mother Earth powered me to erupt and formed the underwater volcano in this ocean.



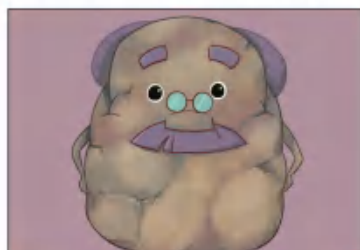
① One day, the volcano erupted at the bottom of the ocean, and a great deal of magma burst out.



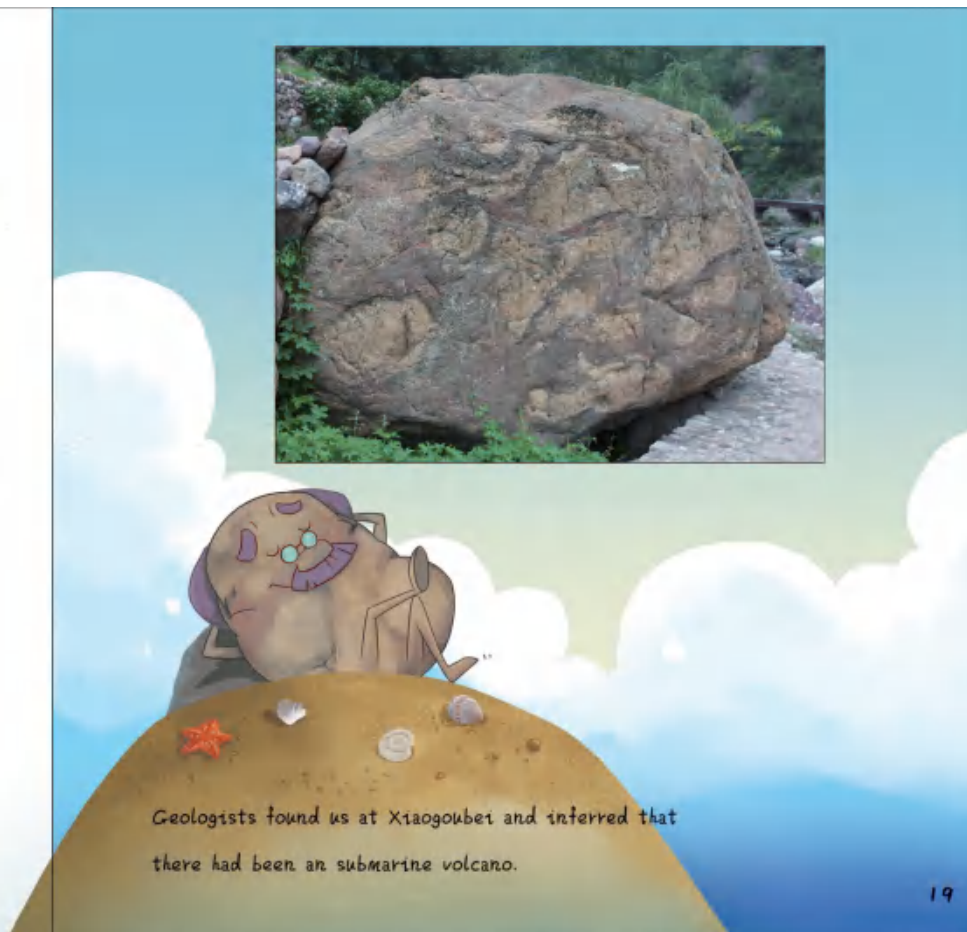
③ These "crispy jellies" were much heavier than the seawater, and they slowly fell to the bottom and squeezed together.



② When the hot lava met the cold water, it turned into clumps, which were soft inside and hard outside, like the elastic "crispy jellies".



④ This is how our residents of Pillow Tribe came to be.



Geologists found us at Xiaogoubei and inferred that there had been an submarine volcano.

