

KIDS vs FIRE

WHERE DID FIRE COME FROM?



PETER GALANTE & FELIPE KOLB

FOREWORD

This book started with a curious question from my now four-year-old son:

What is fire?

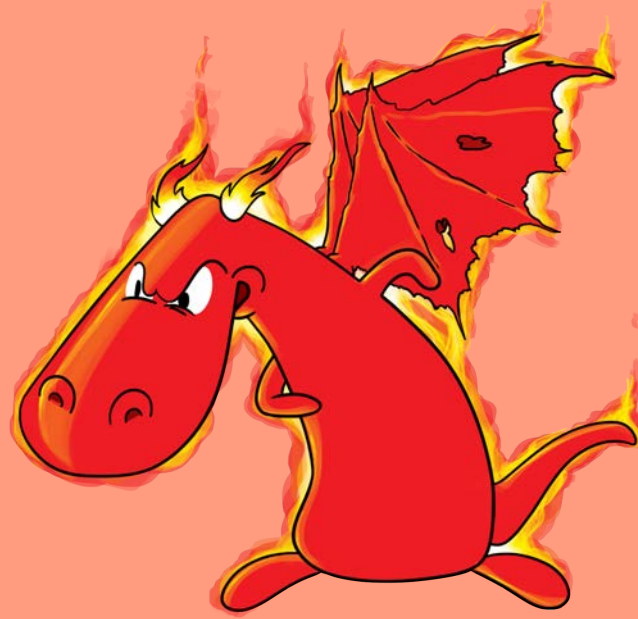
Curious questions by curious kids often provide problematic moments for proud parents. How do you explain something so intricate and complicated – yet so commonplace – to a young child?

The story that follows was my attempt to explain fire in terms that a young child could grasp. At the office, we have started calling these stories “21st Century Fairy Tales.”

We're hoping this science-based fairy tale, or 21st Century Fairy Tale, inspires young kids to ask more curious questions about the interesting environment around them, and to better comprehend the principles on a much deeper level when they come in contact with them again later in life.

I hope you enjoy.

Peter Galante



KIDS
vs
LIFE
KIDSVSLIFE.COM



WHERE
Tokyo

WHEN
May 01, 2014

WHO
Peter Galante & Son

ILLUSTRATION
Felipe Kolb

CREATIVE STUFF
Ryan Beck, Aleister Kelman

Learn How to Draw Free!

(for when it's time to put the iPad away)

How to Draw Videos

Felipe shows you how to draw the fire dragon



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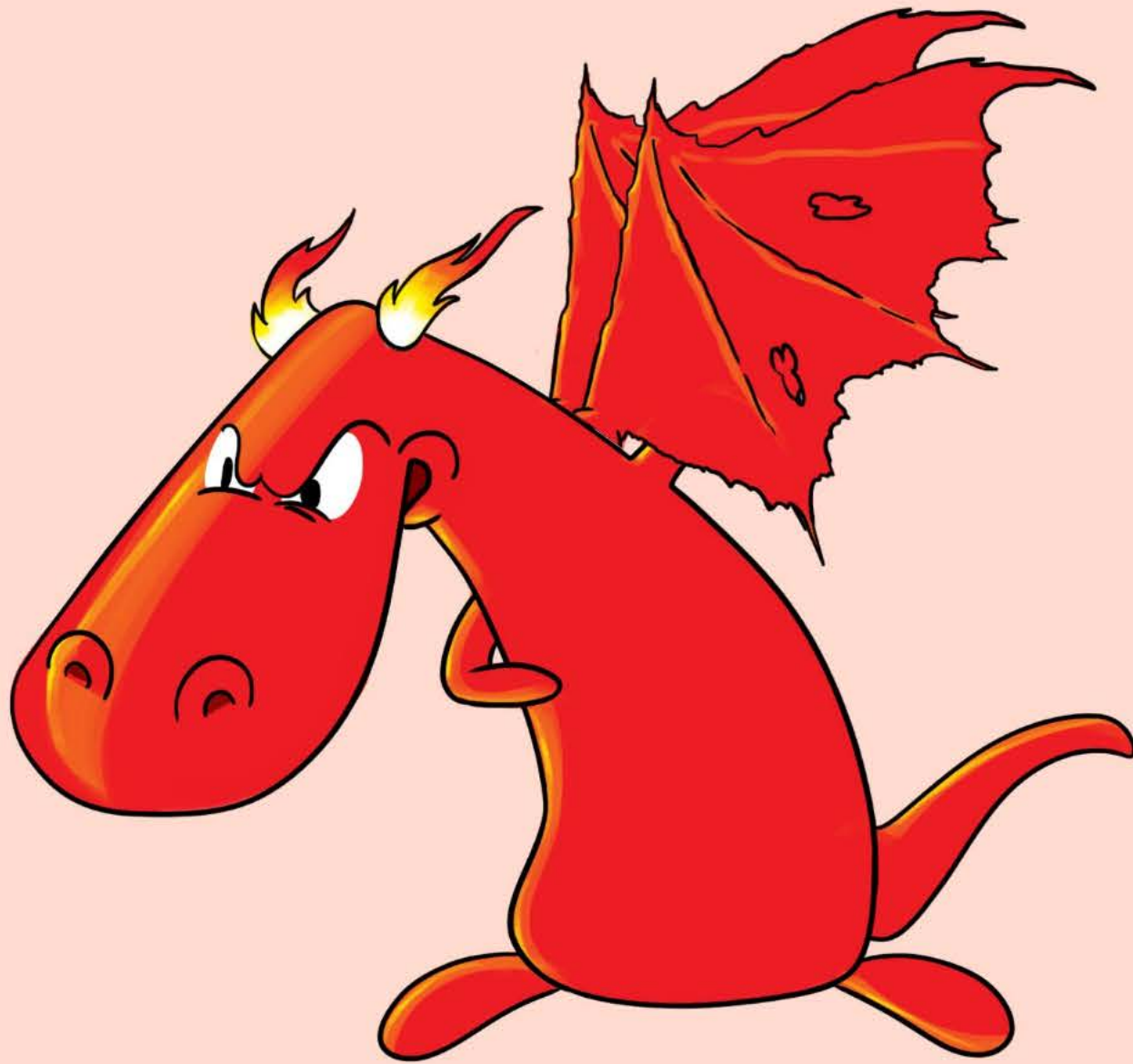


PLUS:
Companion Audio
MP3 for Your Book!



**Touch Here
to Get it All!**

Where did fire come from, and what's it used for?
Read along with this book, and you'll find out!



“Stand back,”
said Dad.

“Dad, fire is
scary!” said
Timmy. “I don’t
like fire.”

“Fire can be
scary and
dangerous, so
you have
to be careful...”
said Dad.



“But fire is important.
We use it for many things.

“Have I told you the story of how people mastered fire?” asked Dad.

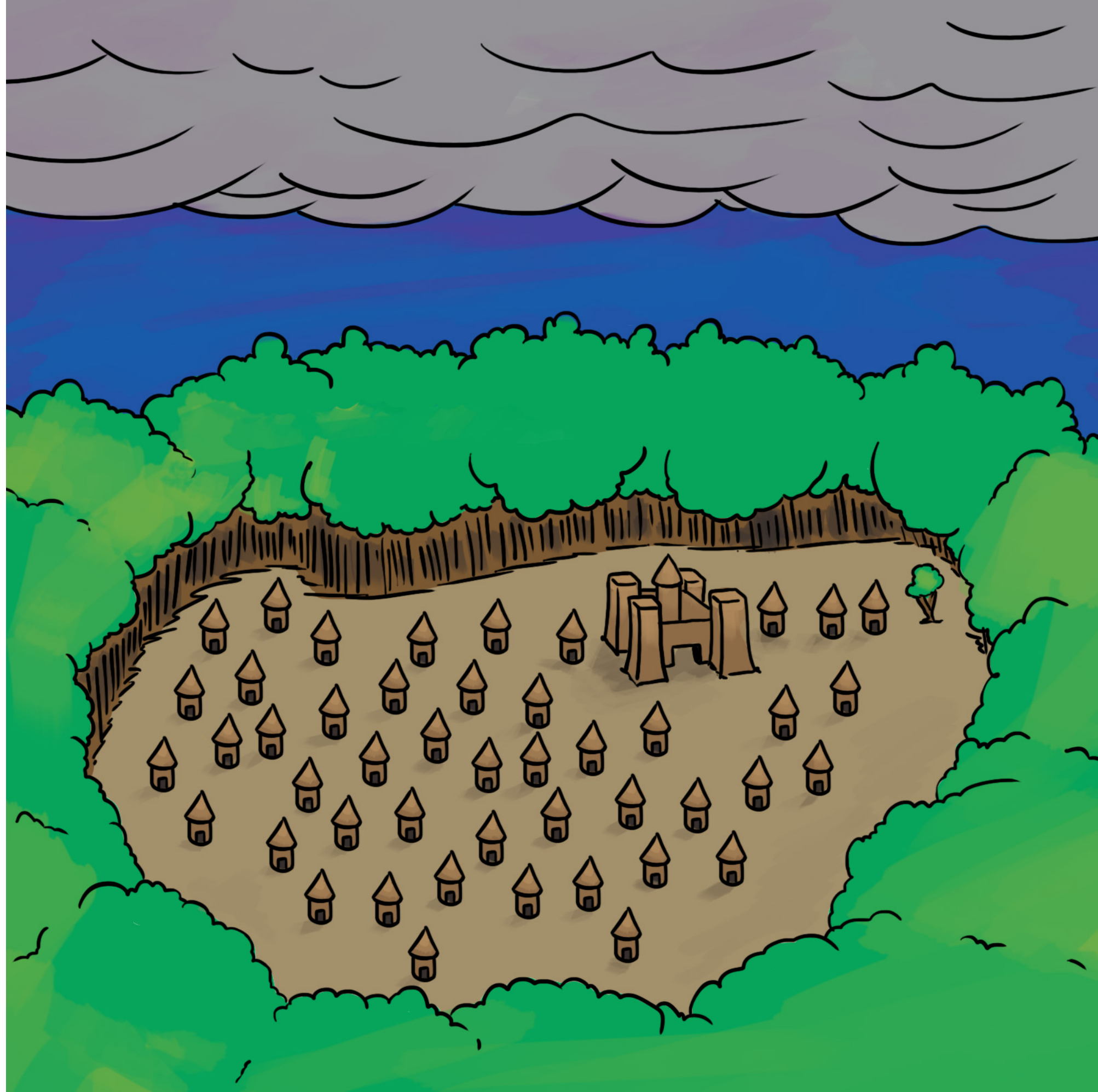
“No,” said Timmy.

“Well ...” started Dad,



Once upon a time long ago, people lived in wooden houses without electricity.

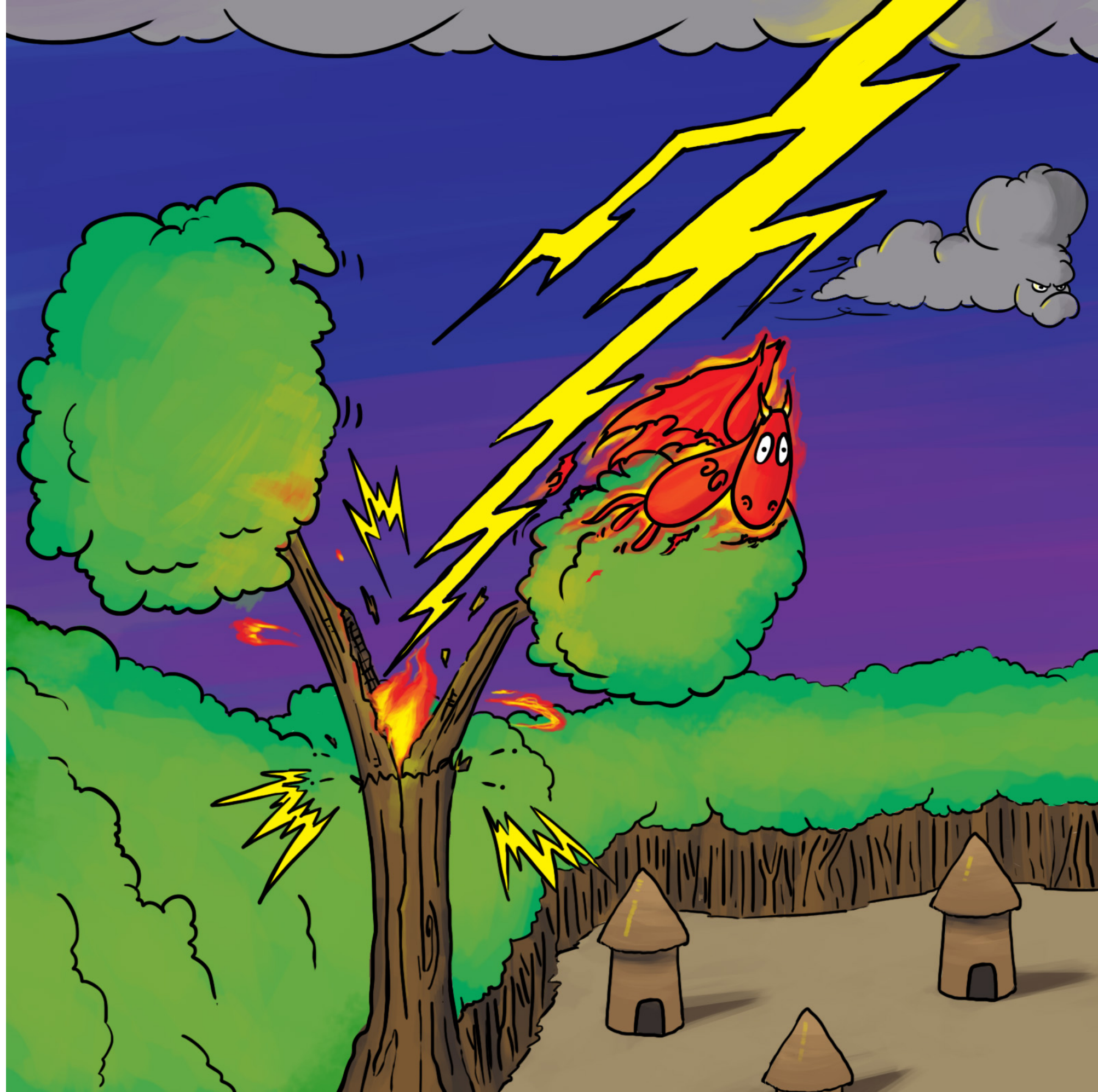
That means they had no lights, so it was dark at night. There were no TVs, no phones, no computers, and no iPads. When the sun went down, it was dark and cold.



One day, there
was a loud boom
in the sky!

A bright flash
followed, and
a teeny-tiny fire
dragon appeared.

The fire dragon
was very hot
and glowed in
the dark!



And the fire
dragon was very
hungry! It started
to eat the tree!

Once a fire
dragon starts
to eat...



They will
eat and eat...
until everything
is gone!

*Crackle,
snapple, pop*

is the sound of
a fire dragon
crunching and
munching on
wood, its
favorite food.

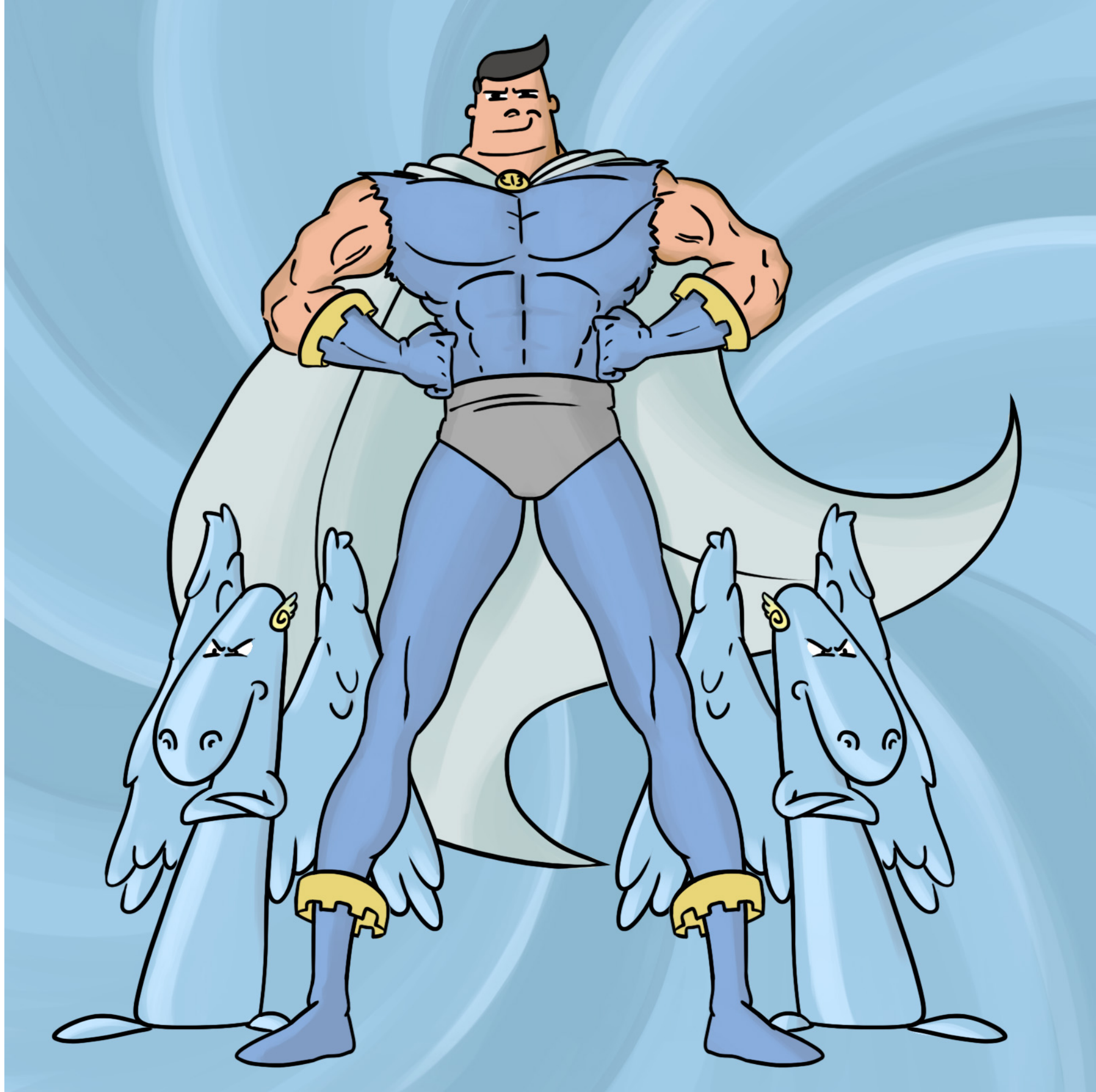


The villagers
had never seen
a fire dragon.
At first they were
curious, but then
it started eating
one of the houses!

The villagers
were very scared,
and they sounded
the alarm!



They called
their strongest
hero: Venti,
master of wind
dragons. Venti
protects the
village with his
two powerful
wind dragons,
North and South!



The wind dragons
always win.

They huffed and
they puffed with
all of their might!

What do you
think happened?



The fire dragon
grew bigger and
bigger with each
huff and puff!
Fire dragons
love wind
because it gives
them the extra
power.



Next they
called Lord
Loggy, master
of wood dragons.
Lord Loggy
protects the
village with his
powerful wood
dragon, Timber.



Lord Loggy
flung the wood
dragon at the
fire dragon.

The wood
dragon hit the
fire dragon in
the chest with
all of his power!

What do you
think happened?



The fire dragon
had grown big and
was still hungry!

The fire dragon
gobbled him up,
and grew bigger
and bigger!
And burned hotter
and hotter!

*Crackle, snapple,
pop*

as the fire dragon's
flames rose
towards the sky.



With their best
heroes defeated,
the villagers ran.

Could anything
stop the fire
dragon?

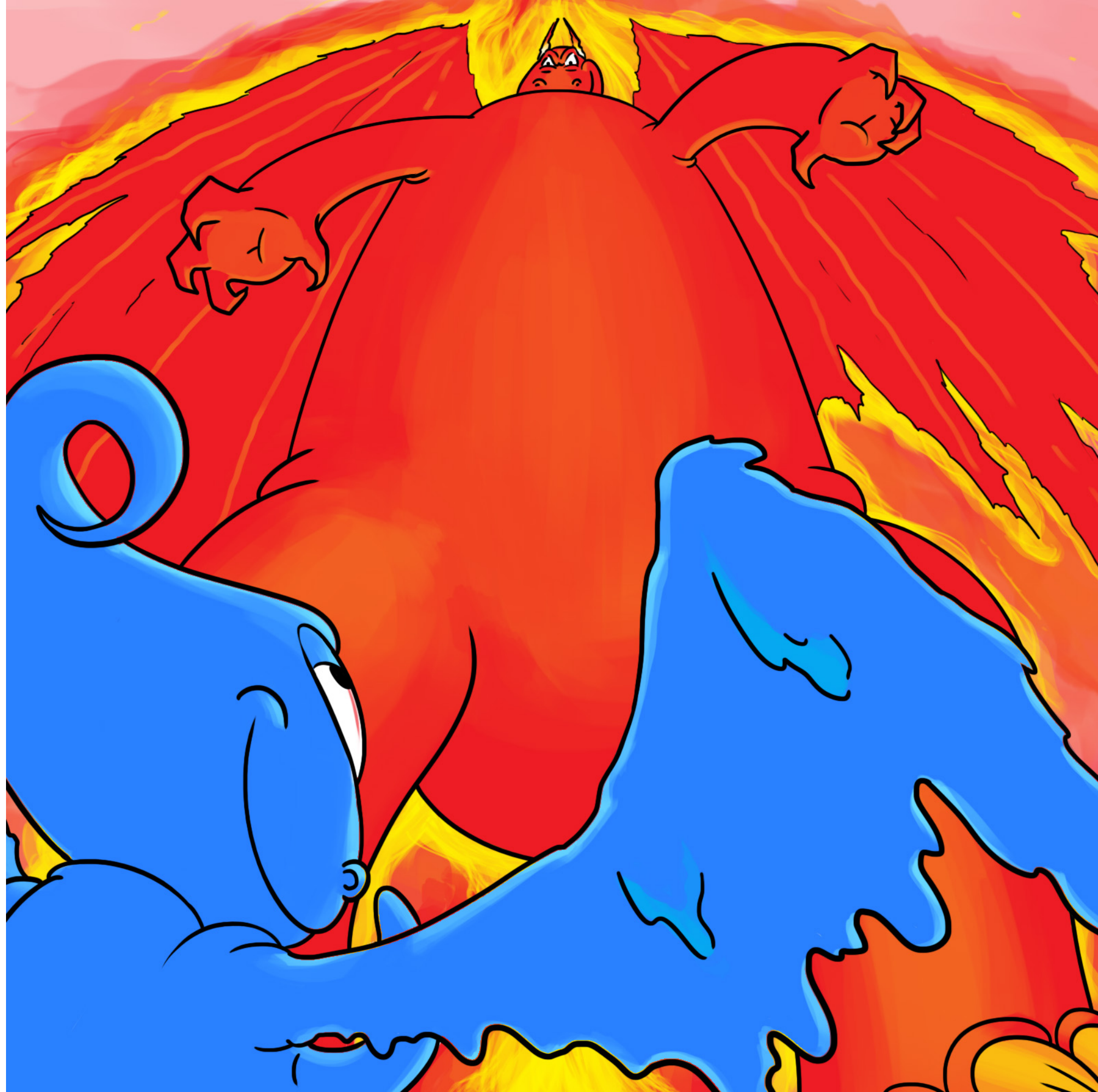
There was only
one dragon left:
A teeny-tiny,
pinky-ponky
water dragon,
and his young
master.



His master threw
the tiny water
dragon at the big,
bad fire dragon,
and ...

The teeny-tiny,
pinky-ponky
water dragon
flew at the tall,
towering
fire dragon.

What do you
think happened?



Hiss-sviss-fiss!

The fire dragon's
leg turned into
white smoke.

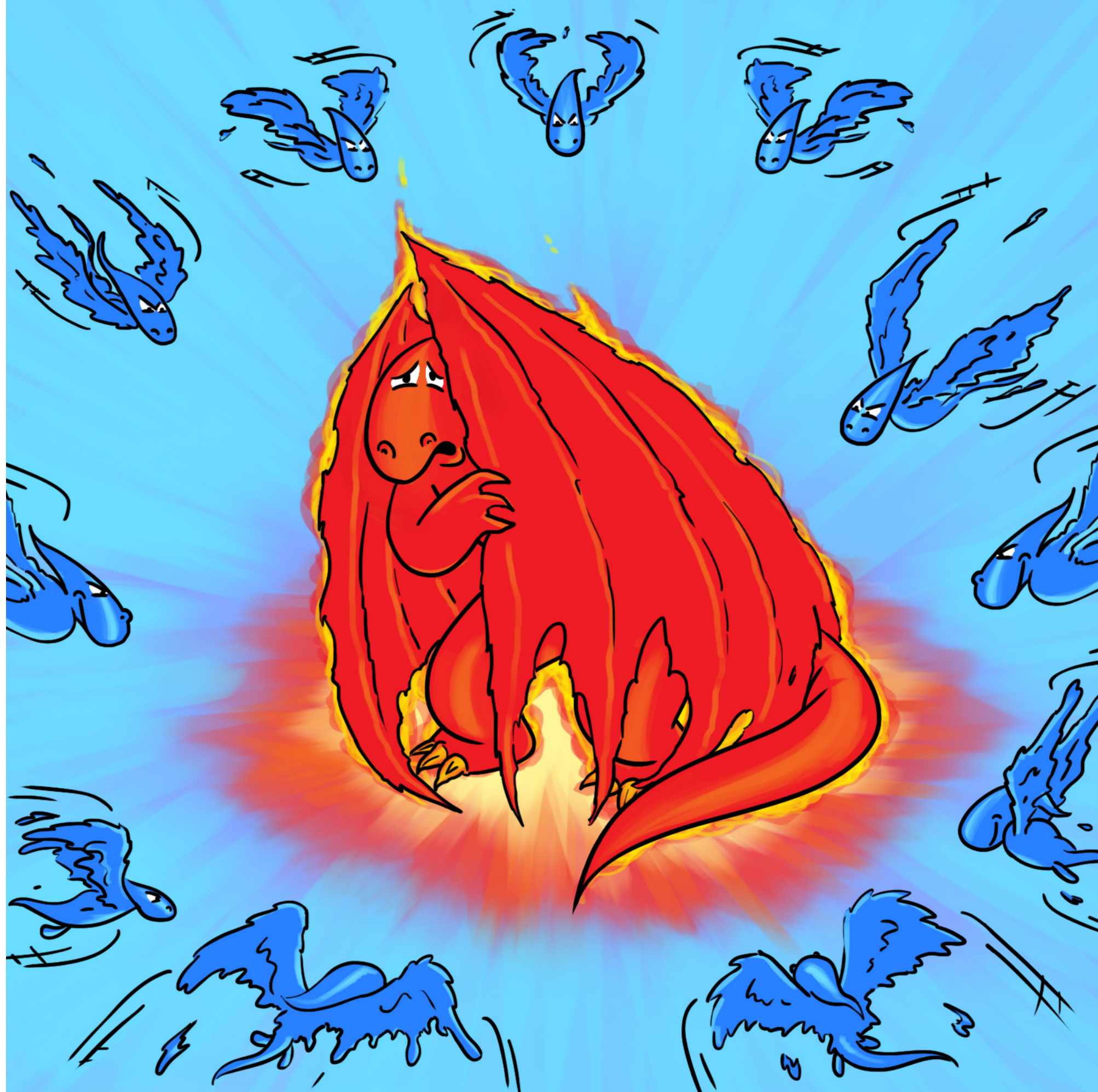
The fire dragon
roared as his leg
vanished and the
white smoke rose
into the sky.



Many teeny-tiny,
pinky-ponky
water dragons
flew at the fire
dragon.

Hiss-sviss-fiss!

Each one making
him smaller and
smaller.



Smaller and
smaller...
until he was a
teeny-tiny, itsy-
bitsy fire dragon
once again.

The fire dragon
caused a lot of
damage, but the
villagers saw
great possibility
in his power.



The fire dragon
was the perfect size
for the villagers
to control.

They fed him his
favorite food:
wooden sticks
— but just enough.

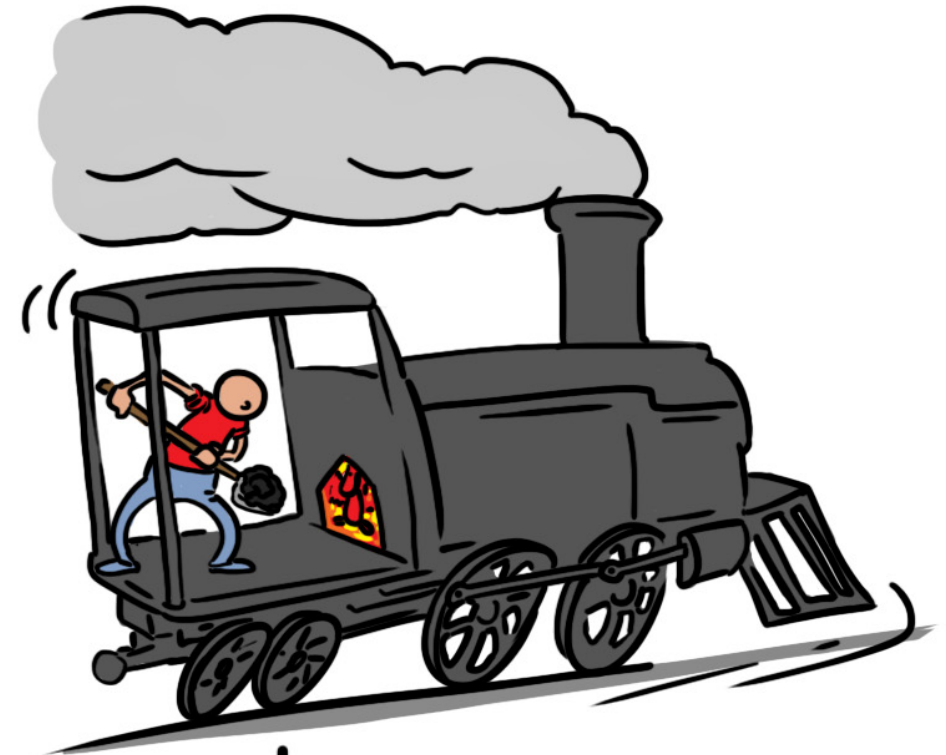
The fire dragon
gave the villagers
heat in the cold
and light in
the dark.



As time went by,
we became better
and better at
controlling these
fire dragons.

We used them
for cooking food,
heat for the cold,
light in the dark,
transportation,
making metal,
and much more!

Fire dragons are
very powerful and
helpful when
controlled.



“And that is
the story of how
people tamed the
fire dragon and
were able to
master fire.”



Remember,
fire dragons
are useful when
controlled, but...



You have to
be careful!
They can grow
big and strong
very fast!
They can do
a lot of damage
when they're big
and dangerous.

So be careful!



Learn How to Draw Free!

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How to Draw Videos

Felipe shows you how to draw the fire dragon



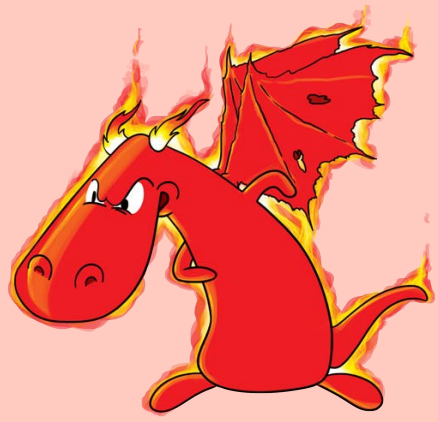
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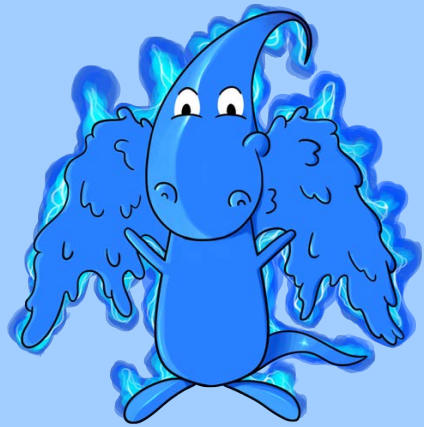


**Touch Here
to Get it All!**



The Fire Dragon

The fire dragon grows larger and stronger the more he eats.
The villagers learn to master the fire dragon.



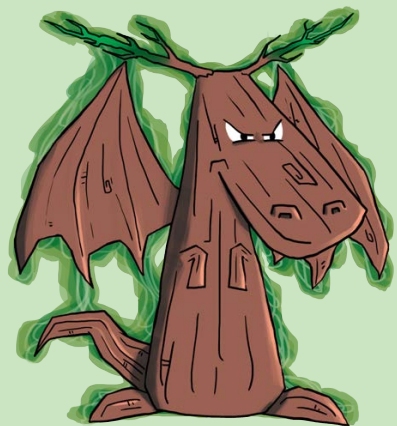
The Water Dragon

The pinky-ponky water dragon is still in training,
but he is the strongest against the fire dragon.



The Wind Dragon

The wind dragon is stronger than the water and
wood dragon, but is weak against the fire dragon.



The Wood Dragon

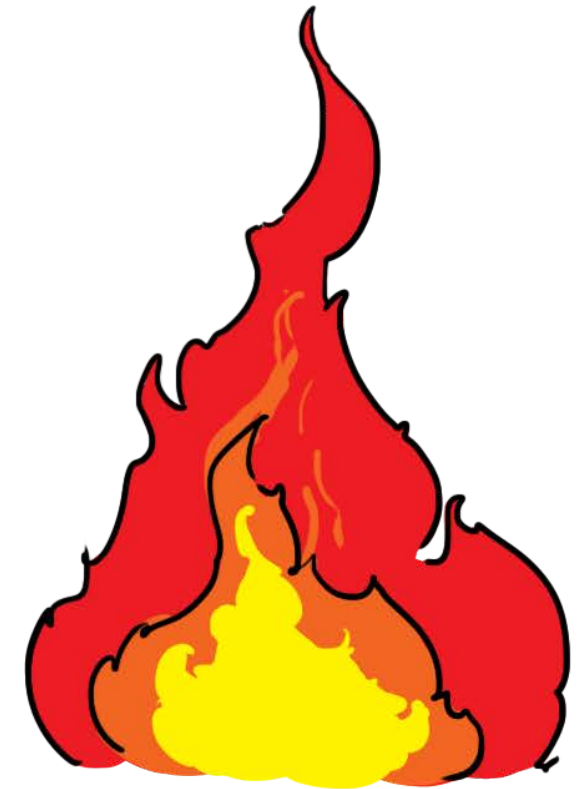
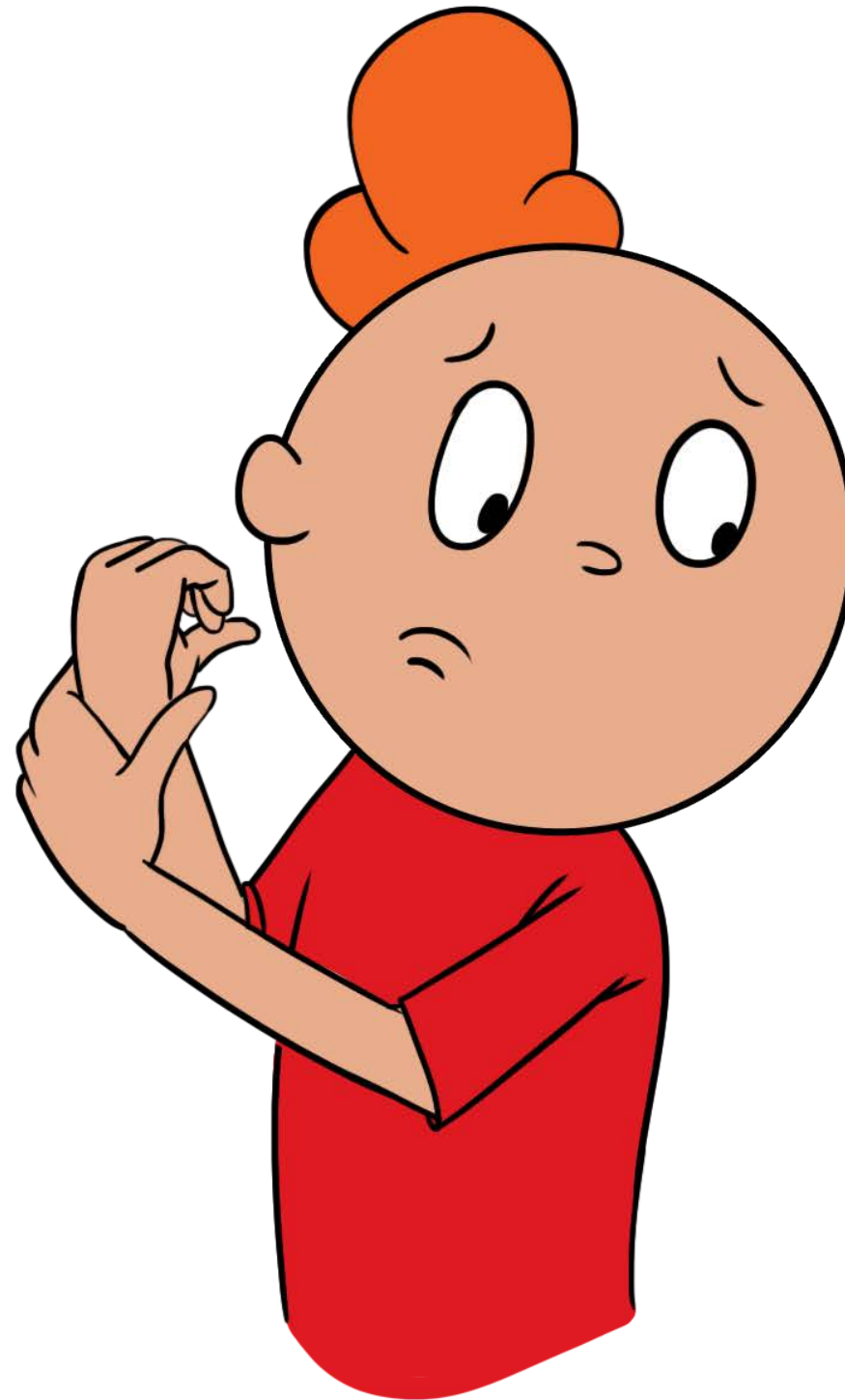
A strong and sturdy dragon, he grows stronger when
he works with his friend the water dragon.

SAFETY PROCEDURES FOR KIDS

SAFETY VS FIRE

Be careful.
Fire is very
hot, and it will
burn you if you get
too close.

Parents, be sure
to check your
smoke alarms
regularly.
Also, be sure
to practice fire
evacuation and
proper fire
protocol with
your children.



If you see a fire:

**STAY AWAY
AND NOTIFY
AN ADULT
IMMEDIATELY.**

If you are alone,
get far away from
the fire. Get out
of the building
if you are inside.
Do not take
anything, just go!
Once outside, find
an adult or call 911.



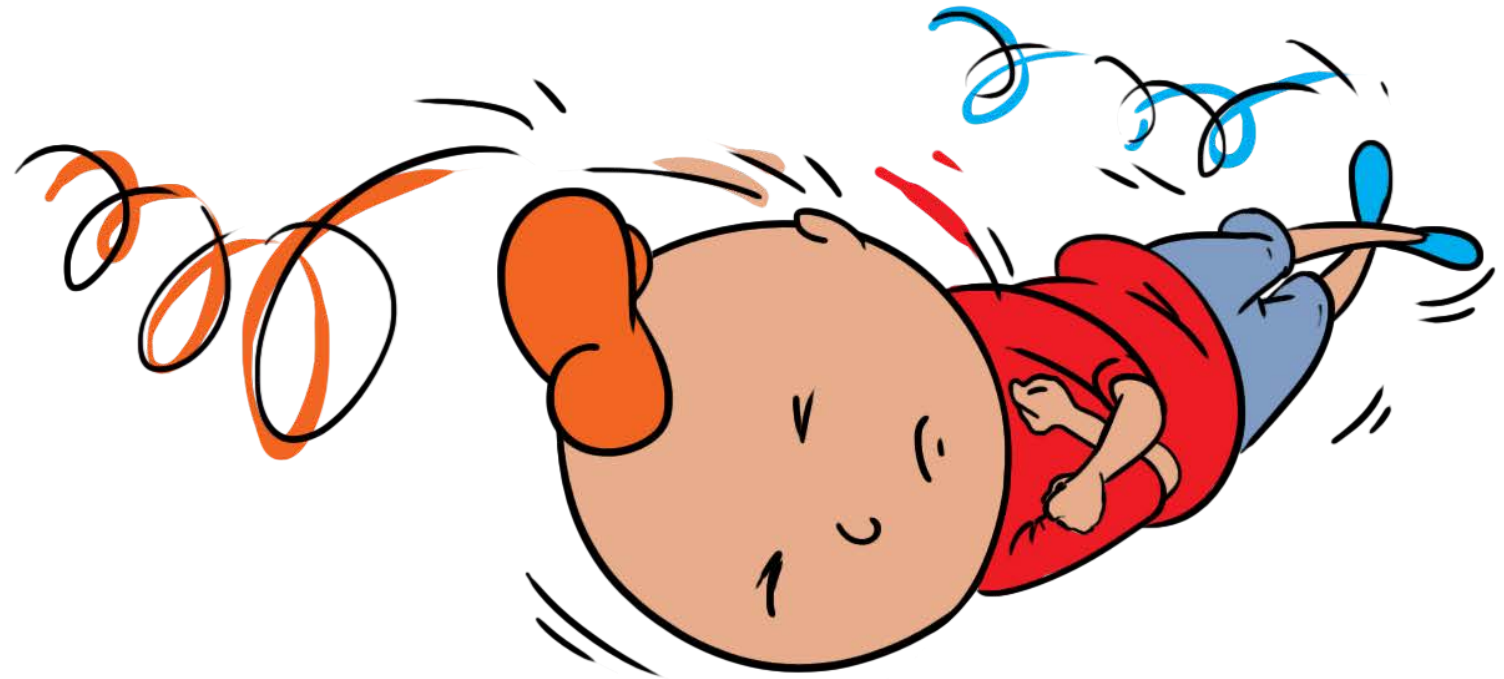
If you or your
clothes catch on
fire, remember:

STOP!

DROP!

ROLL!

Practice this and
say the steps aloud
while you do it!



If you are inside and there is a fire, remember these important points:

- Smoke rises, so make sure you stay low to the ground.
- If you see smoke coming through a door, do not use that door. If you do not see smoke, put the back of your hand against the door itself to see if it is warm. Do not grab the handle first, as it can be hot if there is a fire behind the door.
- If the door is cool, open it very slowly. If there is no fire, you may go through. If there is a fire, shut the door again.

If you are trapped in a room:

- If you are on the first floor, look for a window to escape through!
- If you are not on the first floor, stay calm. HELP IS COMING!
- Keep the door closed, and do your best to cover all openings into the room. Use clothes or anything you can find to fill the cracks above and below the door and any air vents into the room. If there is a window in the room, look out of it for the fire truck. DO NOT OPEN IT UNTIL THEY ARRIVE! As soon as you see them, open the window and start screaming and shouting as loud as you can. Do not open the window earlier. Remember the fire loves wind and fresh air. So if you open the window, the fire will find you!



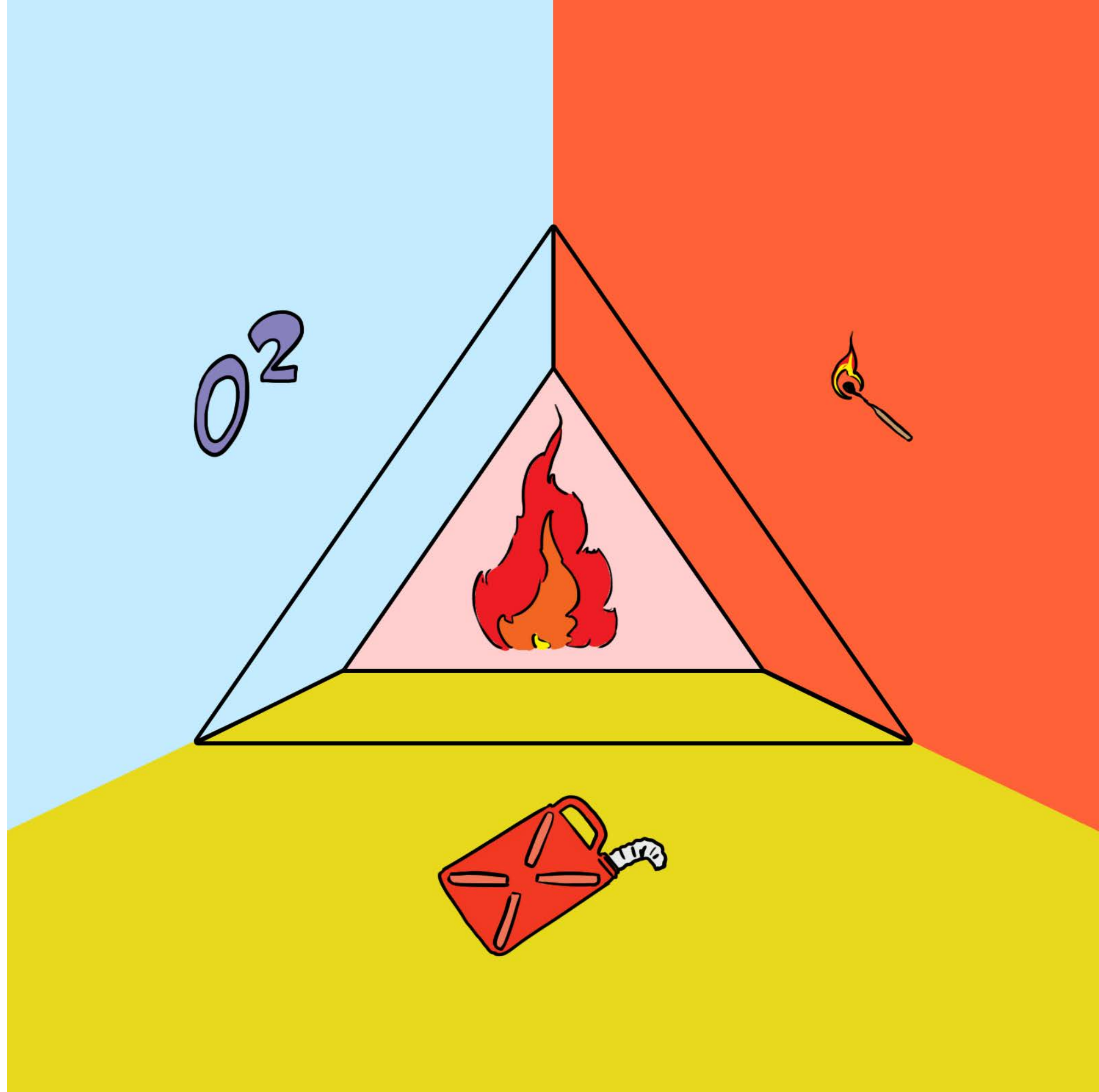
CONCEPT EXPLANATION FOR PARENTS

PARENTS VS FIRE

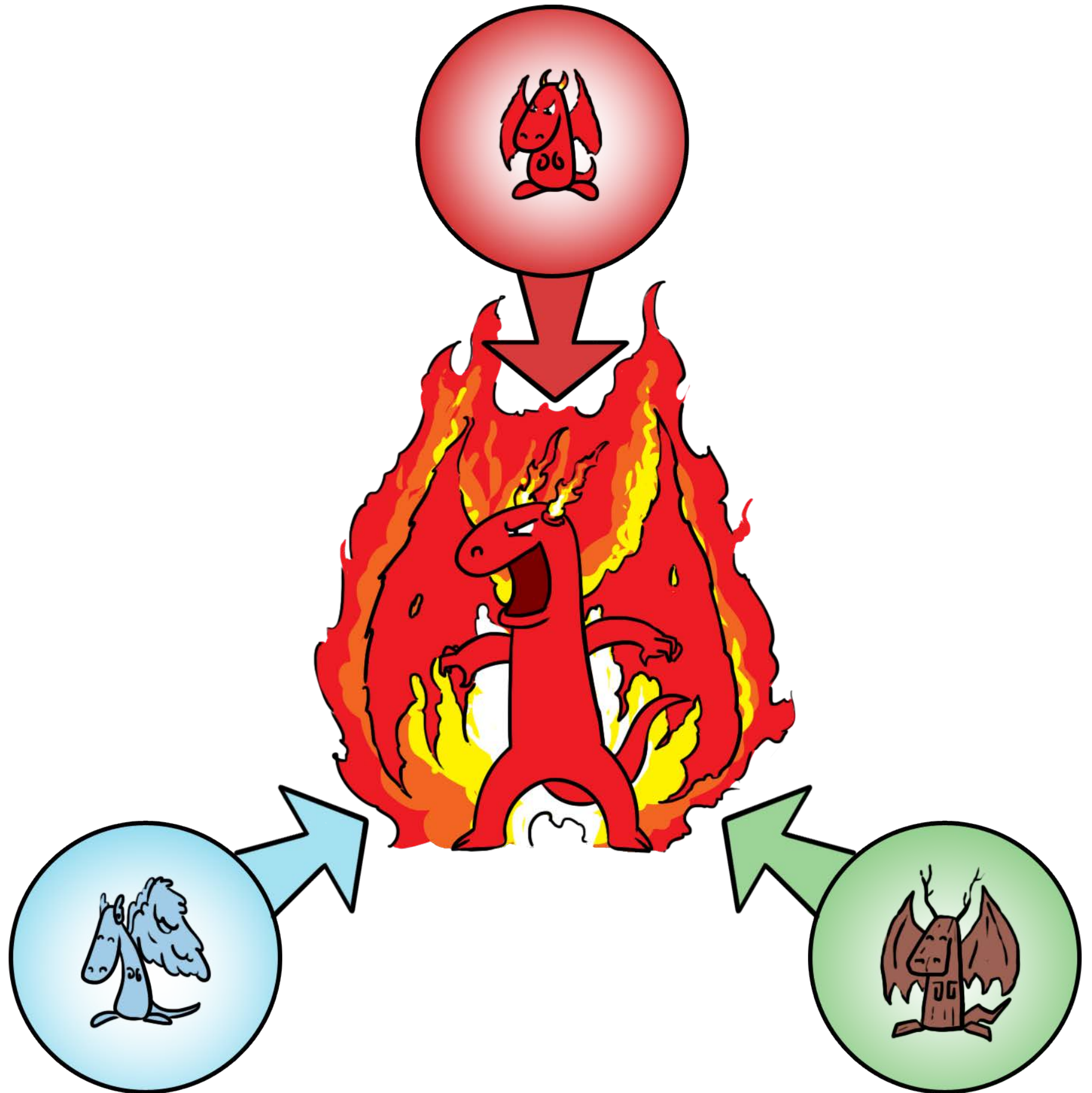
*Fire needs
three things:*

- *Ignition source*
- Fuel (wood, etc...)
- Oxygen

Take any one
away, and the fire
will be
extinguished.



In the story, the lightning was the ignition source, and the wood the fuel source. The wind dragon added oxygen, as the wood dragon added fuel making the fire dragon grow.



There are several ways to put out fires.

- Call a professional
- Fire extinguisher
- Water
- Smothering

Some methods will work better on different types of fires and not at all on others.

ELECTRICAL FIRES

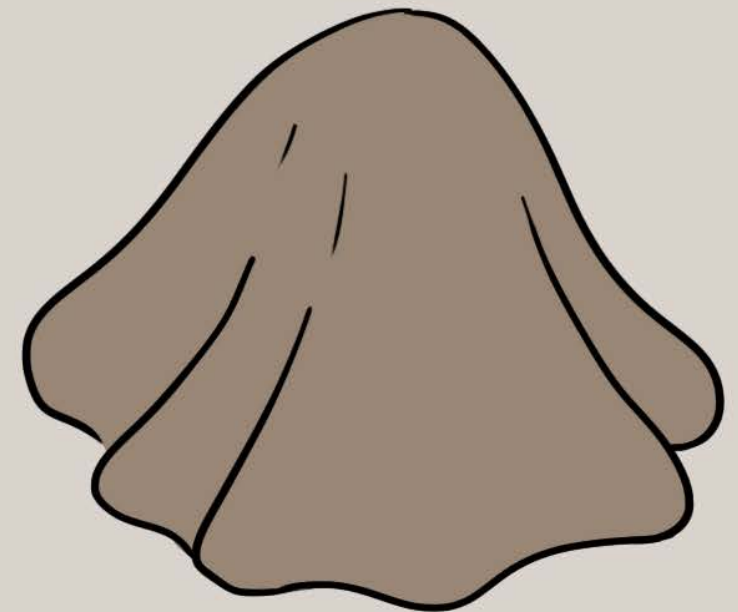
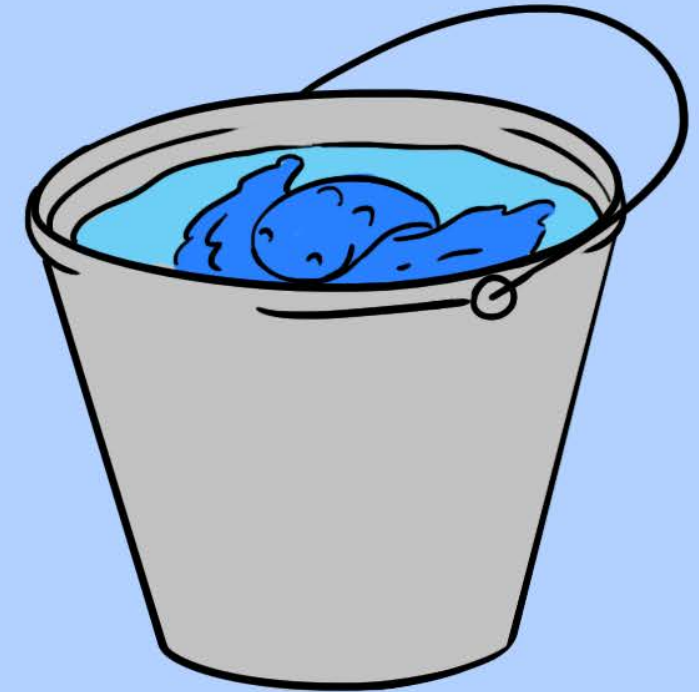
Switch off the appliance and pull out the plug. Smother the fire with a blanket or use a Type C extinguisher. Do not use water, because water conducts electricity and can electrocute you.

COOKING FIRES

Turn off the stove or oven, then smother the fire with the pan lid or baking soda, or use a Type B fire extinguisher. If it is in the oven, turn off the oven and leave the door closed until the fire is smothered. Never move the pan. It can fan the fire or splatter grease. Never turn on the exhaust fan or use water. The fan will draw the flames into a concealed space.

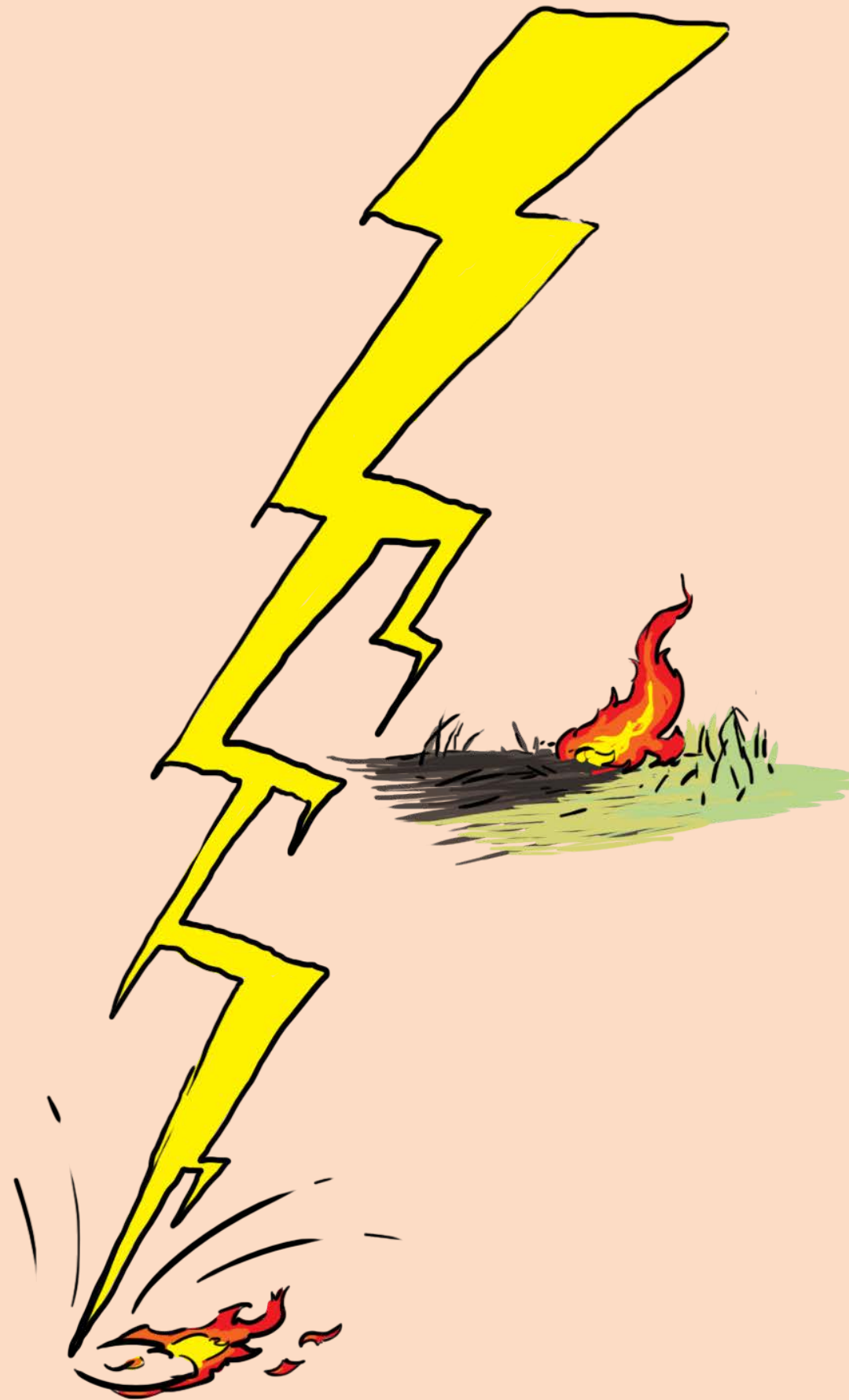
GAS FIRES

Shut off the gas supply. Smother it with a rug or blanket, or use a Type B fire extinguisher or water. Ventilate the area to let out the gases. Call the fire department to have the area pipes checked for further hazards. Then call the gas company. If there is a gas fire, it may be better to let the gas burn rather than extinguish the fire, which would let the gas fill the room or house creating the potential for an explosion. In the case of a gas fire, then, remember the most critical part is getting the gas supply turned off.



The two main causes of fire are nature and people.

Be sure to teach your children proper fire safety from a young age to help prevent fires.



Fire is a by-product of a chemical reaction called ***oxidation***.

Oxidation is simply changing the Oxygen state of a chemical. A really common example is rusting metal. In order for fire to be created this process must occur rapidly. When a fire is ignited more complex molecules contained in the fuel are broken down into their individual or smaller parts, and then these chemical molecules or atoms are bonded with oxygen atoms.

Oxygen is a critical part of this chemical reaction, and that is why smothering a fire will extinguish it. This is why oxygen is needed for a fire.



BEHIND THE SCENES

THE MAKING OF **KIDS VS FIRE**



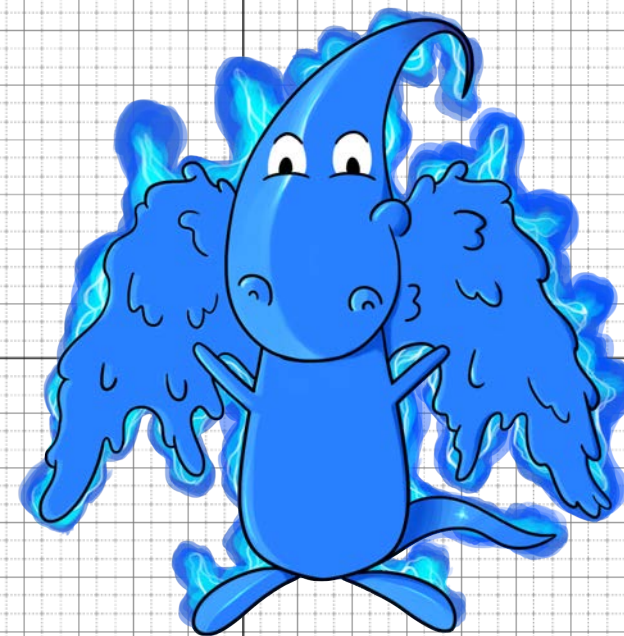
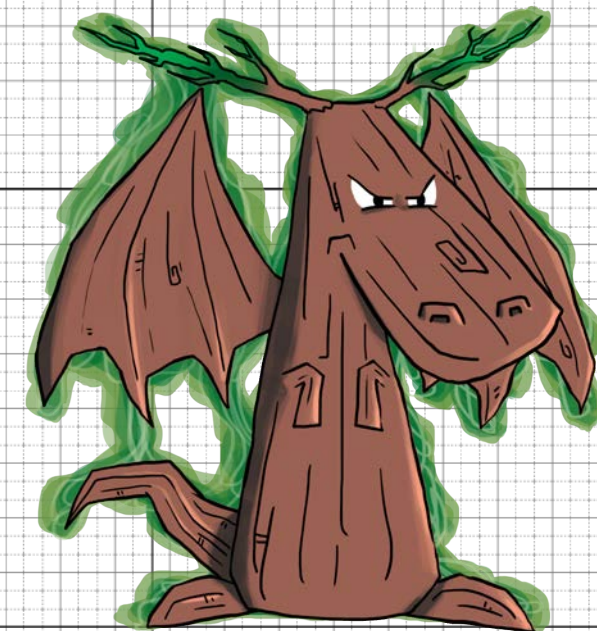
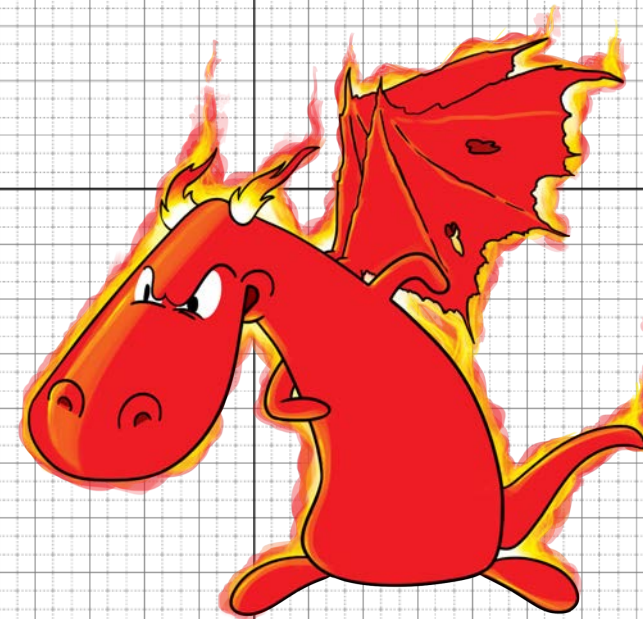
1

We started by storyboarding, thinking about why a fire might start and how we might try to extinguish it.



2

We created some new character designs



3

We picked our favorites,
and created the story!



4

The book was created.
Thanks for reading!

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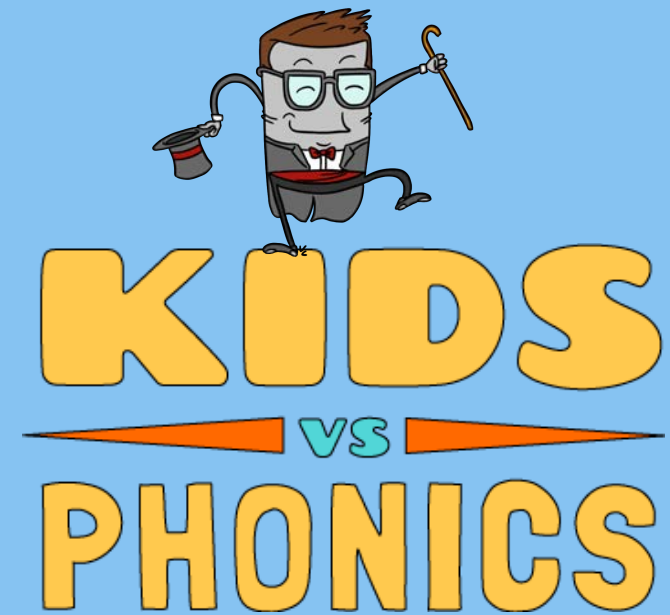
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RED CAT READING



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Fun and Effective!**

Warning: Your kids will fall in love with reading!