







NAME: Thomas Kozaki
DATE OF BIRTH: 1582 in Ise, Japan
DATE OF DEATH: Crucified on February 5,
1597 in Nagasaki, Japan.
KNOWN FOR: Bravely dying for love of
Christ when he was only 15 years old.
FEAST DAY: February 6

JAPAN 1596

THOMAS WAS TAKEN PRISONER ALONG WITH 26 OTHER CHRISTIANS. AMONG THEM WERE HIS FATHER AND TWO OF HIS FRIENDS. LOOK! SOME OF THE CHRISTIANS ARE VERY YOUNG. YES! LET'S TALK WITH THEM.

THE SOLDIERS FORCED THEM TO WALK A LONG DISTANCE UNTIL THEY REACHED THE PLACE WHERE THEY WERE TO BE CRUCIFIED.



GREATER THAN THE RICHES OF THIS EARTH ARE THE RICHES OF HEAVEN, WHICH NO ONE CAN TAKE AWAY FROM US.

SR. CLARE TAUGHT ABOUT CLEANLINESS OF BODY AND SOUL

ST.

ONE DAY AT THE GIRLS' SUMMER CAMP, AFTER SAYING THEIR MORNING PRAYERS, THE SISTERS GAVE A FEW ANNOUNCEMENTS.

SINCE SOME GIRLS WERE VERY LITTLE, AND OTHERS WERE JUST LAZY, SR. CLARE HAD TO GIVE THEM A GENERAL REMINDER ABOUT PERSONAL HYGIENE. SOME OF THE GIRLS DID NOT KNOW HOW TO WASH THEM-SELVES PROPERLY IN THE MORNING.





DEGUERNE

You might have seen a gecko climbing the walls of your house at night. Most geckos are nocturnal.

But did you know that some species are active during the day?

Most day geckos can be found living in forests of Africa and India, especially Madagascar.

DON'T TRY THIS AT HOME!

HEY CAN'T CLOSE THEIR EYES



Nope! Day geckos don't have eyelids! Instead, they have a clear covering over their eyes to protect them. And if their eyes get dirty, they clean them with their tongues!

S EREADO

Day geckos eat fruit and small insects such as fruit flies, crickets, and meal worms.

Nhat STO

Is there anything that geckos can't climb?

Geckos have an amazing ability to climb any kind of surface. Their feet **can even grip onto glass!** As a matter of fact, the only kind of material that they can't grip onto is Teflon, a non-stick synthetic material used in pots and pans.

How do they do it?

Geckos have **microscopic hairs on their feet** (called setae) that increase the Van der Waals forces (the attraction between atoms) between their feet and the surface. Scientists have recently been trying to invent synthetic materials that mimic the characteristics of gecko feet.

Imagine tape that can be reused over and over again because it doesn't lose its stickiness! Or even better, a Spiderman costume that really does allow you to climb up walls! Although advances are being made, scientists have not been totally successful yet.

Look at that! Scientists study God's creation to invent amazing things!

DON'T FORGET TO THANK GOD FOR CREATING DAY GECKOS!







HOW DO PLANES FLY3

Have you ever asked yourself how is it possible for a big chunk of metal weighing more than 170 tons-not counting the passengers-to glide through the air like a bird? It just needs wings and wind!

SERIA

A BIT OF HISTORY

Men have always wanted to fly.

:

Leonardo Da Vinci's plans

FIRST PLANE

IN 1906, ALBERTO SANTOS DUMONT FLEW THE 14-BIS FOR 21 SECONDS AT APPROXIMATELY 20 FEET, AT THE SPEED OF 25 MILES PER HOUR.

There is a sustained debate as to who really was the first to fly: Alberto Santos Dumont or the Wright Brothers. Here's a good article to find out more: https://aviationoiloutlet.com/blog/ who-really-invented-airplane/

HOW DO PLANES FLY?

WHEN A PLANE IS AT THE AIRPORT, IT REMAINS ON THE GROUND THANKS TO THE FORCE OF GRAVITY. IN ORDER TO FLY, IT NEEDS A FORCE THAT IS GREATER THAN GRAVITY TO PUSH IT UPWARDS. THIS FORCE IS CALLED "LIFT" AND IS PRODUCED THANKS TO THE FLOW OF AIR THAT PASSES UNDER THE WINGS OF THE PLANE WHEN IT ACCELERATES.

TRICKS AND EXPERIMENTS WITH ERNEST

THE AERODYNAMIC FORM OF THE WINGS DIRECTS THE WIND TOWARDS THE GROUND AND PRODUCES A DIFFERENCE IN PRESSURE BETWEEN THE FLOW OF AIR ABOVE AND BELOW THE WINGS. WHEN THERE IS MORE PRESSURE BELOW AND LESS PRESSURE ABOVE, THE FORCE CALLED LIFT IS PRODUCED AND THE PLANE BEGINS TO RISE!

> If you've ever stuck your hand out the car window while the car is in motion, you've surely noticed that the wind forced your hand to go upwards. This is lift.

MATERIAL NEEDED:

- Craft Foam Ball (polystyrene) about 1.5 inches
- 1 piece of paper
- Tape
- 1 Wooden Skewer
- String or thread
- Hairdryer

What

DO YOU REALIZE HOW GREAT GOD IS, HE WHO CREATED BIRDS THAT FLY SO MAJESTICALLY?

P

Cut from paper a rectangle about 4 inches wide. Wrap it around the circumference of the foam ball and tape it, forming a cylinder.

Put the round wooden skewer inside the paper cylinder and stick it in the middle of the foam ball. Tie one end of the string to the end of the wooden skewer. Leave the string about 8-12 inches long and tape the other end of the string to a table.

While you hold the wooden stick in a vertical position, put the hairdryer on high at a slightly inclined angle, pointing upwards. Make sure it's cool air!



Don't get discouraged if your cylinder doesn't float the first time. Try varying the distance and angle of the air current.

THE CYLINDER FLOATS IN THE

AR

HOW DOES THIS HAPPEN?

AIR IS A FLUID THAT EXERTS PRESSURE ON EVERY OBJECT THAT IS SUBMERGED IN IT-INCLUDING OURSELVES!

ALMOST A TON OF AIR ABOVE OUR HEADS AND SHOULDERS.

IN FACT, WE HAVE

IF WE DON'T FEEL LIKE WE'RE SUPPORTING THE WEIGHT OF A CAR ON TOP OF US, IT'S BECAUSE AIR EXERTS A SIMILAR PRESSURE IN ALL DIRECTIONS AROUND OUR BODIES. THE SAME THING HAPPENS WITH THE CYLINDER. WHEN THE AIR TOUCHES THE ROUND SURFACE OF THE OBJECT, THIS MAKES THE AIR CURRENTS COMPRESS..

> WHEN AIR IS COMPRESSED, IT TRAVELS FASTER-LIKE WHEN YOU WANT TO BLOW AIR MORE FORCEFULLY WITH YOUR MOUTH, YOU MAKE THE OPENING OF YOUR MOUTH SMALLER.

NOW, THERE IS LESS PRESSURE ABOVE THE CYLINDER THAN BELOW. THAT'S WHY IT FLOATS.

State of Lot of

A FAMOUS PHYSICIST NAMED BERNOULLI DISCOVERED THAT THE SUM OF THESE PARTICLES IS ALWAYS CONSTANT. THIS DISCOVERY IS VERY IMPORTANT! WHY? BECAUSE IF THE SPEED INCREASES, THE PRESSURE DECREASES.



AIR IS COMPOSED OF

PARTICLES

PARTICLES HAVE

SPEED AND PRESSURE

A FAMOUS PHYSICIST NAMED VENTURI MADE ANOTHER DISCOVERY: WHEN THE AIR PARTICLES PASS THROUGH A TIGHT SPACE, THEIR PRESSURE DECREASES AND THEREFORE THEIR SPEED INCREASES. AND WHAT DOES THIS HAVE TO DO WITH PLANES? SINCE A PLANE'S WINGS ARE AERODYNAMIC, THIS CREATES THE FORCE OF LIFT WHICH PERMITS THE AIRPLANE TO FLY.

WEIGHT

THRUST

LIFT







GOD ALSO GRANTED MOSES THE POWER TO PERFORM AMAZING MIRACLES SO THAT PHARAOH WOULD LISTEN TO HIM.

SINCE PHARAOH HARDENED HIS HEART EVEN MORE, GOD SENT 10 TERRIBLE PLAGUES THAT ONLY AFFECTED THE EGYPTIANS. EVEN SO, A LONG TIME PASSED BEFORE PHARAOH, IN HIS ANGER, ALLOWED THEM TO LEAVE.

AND SO THE UNFORGETTABLE NIGHT CHOSEN BY GOD FINALLY ARRIVED. EACH HEBREW FAMILY GATHERED FOR A SPECIAL MEAL: THE PASSOVER MEAL, IN WHICH A LAMB OFFERED TO GOD WAS EATEN. ON THAT NIGHT, AN ANGEL PASSED OVER AND SLEW ALL THE FIRST-BORN IN THE COUNTRY -EXCEPT THE HEBREWS, WHOSE HOUSES HAD BEEN MARKED WITH THE BLOOD OF THE PASSOVER LAMB.

IN THE CONFUSION THAT FOLLOWED, THE HEBREWS LEFT AND SET OUT TOWARDS THE

RED SEA.

HOLY BIBLE

EGYPT

BUT THE EGYPTIANS PURSUED THEM. WHAT COULD THEY DO? MOSES STRUCK THE WATER WITH HIS MIRACULOUS STAFF, THE SEA PARTED TO THE RIGHT AND TO THE LEFT, AND THE NEBREWS CROSSED THROUGH THE MIDST OF THE SEA.

THEY COULD NEVER FORGET THE WAY GOD HAD SAVED THEM AND SET THEM FREE, NOR THE BLOOD OF THE LAMB THAT DELIVERED THEM, NOR THE WATERS OF THE SEA THAT OPENED UP FOR THEM. THEY FOREVER COMMEMORATED THE PASSOVER, THE SALVATION OF GOD. IF YOU READ CHAPTERS 7-10 OF THE BOOK OF EXODUS, YOU'LL SEE ALL THE PLAGUES PHARAOH RESISTED WITHOUT WANTING TO CONVERT. PEOPLE CAN BE SO STUBBORN SOMETIMES!

IT'S YOUR TURN







NAZARETH

PREPARING A SURPRISE FOR HIM. DISCOVER 8 DIFFERENCES BETWEEN THE TWO PICTURES.





ARE YOU ABLE TO DRAW ST. JOSEPH'S SAW BY LOOKING AT THE ONE ON THE GRAPH?

7..........



Measuring Tape: 5 Mazareth : Hammers: 5t. Hammers: 5t. And surest road to and surest Measuring Tapes: 5 Meas

H ant meter strong nurs bris strong trassol



e and one playing piece for each player. Both roll the dice once and the player who has the highest rst.

land on a square, you only have 10 seconds to look at Teo's bulletin board and find the message that ture in the square. If you can't find it in 10 seconds you lose a turn, and the other player gets to throw n a row. Whoever is the fastest and reaches the end first, wins.



ST. JOSEPH IS THE PATRON SAINT OF CARPENTERS AND JOE WOULD LIKE TO BE LIKE HIM, BUT HE STILL HAS A LONG WAY TO GO BECAUSE HE'S VERY MESSY.

JOE

CAN YOU FIND THESE ITEMS IN HIS WORKSHOP?



JOE'S WORKSHOP

6



DID YOU KNOW THAT ST. TERESA OF AVILA RAN AWAY FROM HOME WITH HER BROTHER BECAUSE THEY WANTED TO BECOME MARTYRS SO THAT THEY COULD GO STRAIGHT TO HEAVEN

THEY HAD NOT GONE VERY FAR WHEN THEIR UNCLE FOUND THEM...

CAN I ASK WHERE

YOU'RE GOING?

WE'RE ON OUR WAY TO MUSLIM TERRITORY. UM... I THINK WHERE YOU ARE GOING IS HOME.

THE WORD MARTYR MEANS: WITNESS.

A MARTYR IN THE CATHOLIC CHURCH IS SOMEONE WHO GIVES HIS OR HER LIFE TO DEFEND THE TRUTH OF THE GOSPEL.

JESUS TAUGHT US: "EVERYONE WHO ACKNOWLEDGES ME BEFORE OTHERS I WILL ACKNOWLEDGE BEFORE MY HEAVENLY FATHER" (MT 10:32).



HAS THE EFFECT OF BAPTISM FOR THOSE WHO ARE NOT YET BAPTIZED.

0

0

MARTYRDOM

41

ERASES ALL OF THE MORTAL AND VENIAL SINS YOU HAVE COMMITTED, LEAVING YOUR SOUL CLEAN.

ALSO ERASES THE TEMPORAL PUNISHMENT DUE FOR OUR SINS. THIS MEANS THAT THERE'S NO NEED TO PASS THROUGH PURGATORY. A MARTYR FLIES STRAIGHT TO HEAVEN! THIS IS CALLED ***BAPTISM OF BLOOD** AND ERASES ORIGINAL SIN JUST LIKE A NORMAL BAPTISM.

IN ORDER TO BE A MARTYR

YOU MUST NOT LOSE YOUR TRUST IN GOD AND HOPE FOR HEAVEN.

> YOU MUST FORGIVE EVERYONE, ESPECIALLY YOUR ASSASSINS.

YOU MUST DIE DEFENDING YOUR FAITH IN GOD.

MANY SAINTS DREAMED OF BECOMING MARTYRS. THEY KNEW THAT THE LIFE OF THE SOUL IS MUCH MORE IMPORTANT THAN THE LIFE OF THE BODY!



St. Teresa of Avila

St. Maximilian Kolbe





St. Joan of Arc

THROUGHOUT HISTORY THERE HAVE BEEN MANY CHILDREN AND YOUNG PEOPLE WHO PREFERRED TO DIE RATHER THAN BETRAY JESUS.

DO YOU WANT TO READ A LETTER FROM ONE OF THEM? HIS NAME WAS SAINT THOMAS KOZAKI. HE WROTE THIS LETTER A FEW DAYS BEFORE HE DIED WITH HIS FATHER.

You can learn more about him on pg. 5 of this magazine.

Lojze Grodze

Do not be worried, but rather rejoice. Do not despair if Dad Dear Mother, and I have the grace of dying for Christ. Know that in Heaven I will never forget you. I will beg the Lord to help you in all your needs and fill you with His gifts.

May it be a consolation to you that at the hour of your

....

death you can pray to your husband and your son, who from Heaven will listen to your prayer and on account of the blood we shed, Jesus will invite you to participate in eternal happiness. Repent of your sins and give thanks to God for all the gifts you have received during your life. Rejoice in being poor and despised by men. Greater than the riches of this earth are the riches of Heaven, which no one can take away from us. Bear with patience any tribulation. Humbly ask the Lord for forgiveness of your sins.

Mom, take good care of my brothers Mancio and Philip. Make sure they do not associate with pagans, so they can be sure of gaining the eternal reward. I have prayed and will continue to pray very much for this. Unite your prayers to mine for their good. Goodbye Mom. May the Lord be your consolation in this life and reunite us all in paradise.

Thomas, your son, prisoner for Jesus Christ

MARTYRDOM IS SO GREAT THAT IT'S ENOUGH TO PROVE THAT ONE HAS BEEN A MARTYR TO BE CALLED A SAINT. WITHOUT ANY NEED FOR A MIRACLE.





THE LORD TOLD THE PROPHET JEREMIAH TO GO TO THE POTTER'S HOUSE. HE SAW HOW THE POTTER WAS WORKING AT THE WHEEL AND SHAPING A POT FROM THE CLAY WITH HIS HANDS.

Hummenne h

THE POTTER IS THE ONE WHO SHAPES THE OBJECTS. THE CLAY HAS TO LET ITSELF BE MOLDED, WITHOUT PUTTING UP RESISTANCE. A POTTER MAKES DIFFERENT OBJECTS AND THEN PUTS

THEM IN THE OVEN.

GI /

I'M GOING TO BE BEAUTIFUL!

FR. RAFAEL'S

LORD, AND THE LORD ALSO WANTS TO SHAPE US. BUT THERE IS A PROBLEM: SINCE WE HAVE FREE WILL, WE CAN USE IT BADLY AND REJECT THE "SHAPE" THAT THE LORD WANTS TO MOLD US INTO.

WHAT AN AMAZING THING! INSTEAD OF BEING DOCILE TO GOD, WE CAN RESIST AND HARDEN OUR HEARTS.

41.1111.14

LET THE LORD "SHAPE" YOUR LIFE. HE ALWAYS WANTS WHAT IS BEST FOR YOU.

AS HUMANS, WE HAVE BEEN CREATED BY THE

NO! LEAVE ME ALONE!

OH ... THAT

TICKLES!

