

THE SAGRADA FAMILIA

BARCELONA

1882-TILL NOW

The journey by Philip the stork and Leap the frog for the most beautiful structure in the world, which Philip would use to build a nest for Helen, had been long, way too long. The cold of the north alternated with the warmth of the south. At certain points, the stork no longer even noticed the buildings, bridges and towers which he left behind.... if Leap didn't poke him, he would have missed out on the unmissable.

Vibrant colours, wavy contours and mosaics ... would Helen like something like that?

! THIS PIONEER OF A UNIQUE BUILDING STYLE, SPICED UP WITH THE SPANISH ART NOUVEAU, **IS BURIED...** GUESS WHERE? RIGHT IN HIS BELOVED CATHEDRAL.

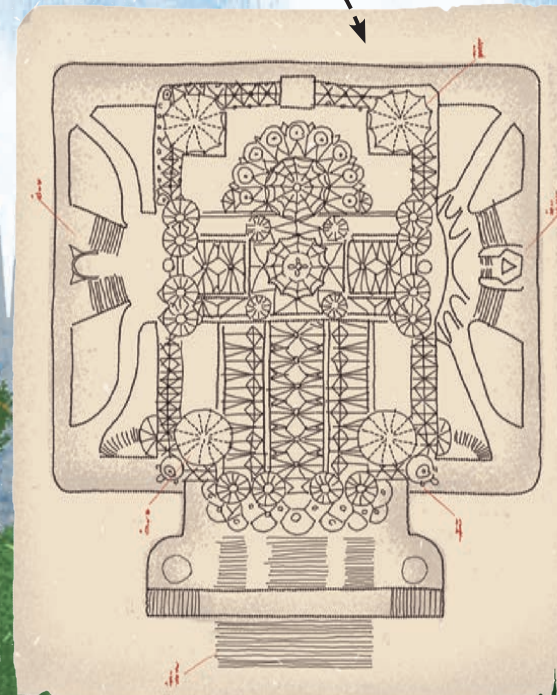
GOD'S ARCHITECT

Sagrada Familia takes everyone's breath away, not just Leap's ... because the architect breathed his whole life into this church. When he started building, he refused all other commissions. He did not eat or sleep, he neglected himself and only planned, thought it over and built. People began referring to him as God's architect at that time!

HOW TO DO IT WITHOUT ANY PLANS?

The genius Antoni Gaudí had almost no plans when he was building his church. That's unbelievable! He used his imagination of course. It's clear, that finishing such a building is a truly big task to face.

GROUND PLAN OF THE CHURCH



STAINED GLASS

That's the decoration of the windows. They are made from colorful glasses connected with lead ribbons.

GAUDÍ AND SAINT JOSEPH

There were no limits on Antoni Gaudí's rich imagination. Unfortunately, he had never finished the Sagrada Família. He seemed to have known, however, that this unique cathedral was just too much for one man. It is said that he used to claim: This cathedral will only be finished by St. Joseph one day.

ANTONIO GAUDÍ

Antoni Gaudí, the genius builder, the man who changed Barcelona. Not just with his magnificent church in the Neogothic and Art Nouveau styles, but also with other peculiar buildings that seem to have been taken from fairy tales. Casa Batlló - a magnificent house richly decorated with Gaudí's ceramic mosaic. Casa Milà - a house, which at first glance recalls stone polished by the waves of the sea Park Güell.

THE LARGEST CHURCH IN THE WORLD!

La Sagrada Família is an architectural flower in the heart of Barcelona in Spain. A church with five aisles with a layout of a Latin cross and eighteen spires. Ordinary cathedrals have simple supporting buttresses, but the Sagrada Família has arches, lightly curved into elegant parabolic or hyperbolic shapes. God's temple has to be light.

THE TOWERS & SMALL TOWERS

The builder of the church dedicated the twelve towers to the apostles and the four towers to the four evangelists. The last two towers - the most impressive of them all belong to Mary and her son Jesus Christ. The height of the highest tower of Christ - 170 m.



DECORATION FOR GOD

Nothing should be skimped for God, thus the decoration of the church overflows with many interesting things. If you were exploring and counting, you would find 160 species of animals and exotic plants. Peculiarly bumpy and wavy ceilings, colorful stained glass - beauty which even took the breath away of the know-it-all Leap.



BURJ KHALIFA

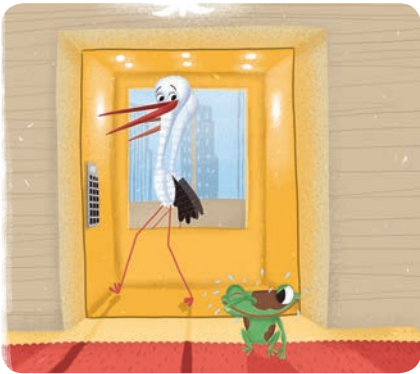
DUBAI

2004-2010

Leap had never seen anything so tall in his life... he was sitting at the foot of the tall narrow building, waiting for Philip. Try as he might, he could not see the top of it. How could he? He was facing the tallest building in the world.

LIFT TO THE HEAVEN

The speed of the lifts is unbelievable – it takes them a mere minute from the first to the topmost floor. Compared to other skyscrapers, lifts in Burj Khalifa are slow. A speed of 36 km per hour doesn't seem like much when you take Taipei 101 skyscraper into consideration – its lifts can reach speeds of up to 61 km per hour.



BURJ KHALIFA

Height.....	828 m
Floors.....	200
Escalators.....	8
Lifts.....	57

BURJ KHALIFA DOESN'T BREAK IN THE MIDDLE

Burj Khalifa is not only the tallest, but also the safest tall building. The backbone of the tower is a strong concrete construction, which is much more resilient than the steel skeletons of other skyscrapers.

AIR-CONDITIONING OR DIE

It tends to be really hot in Dubai. You simply could not survive in the skyscraper without air conditioning. The air conditioning in this tall building is truly ecological. The air conditioning system draws air on the upper floors and drives it to the other parts of the building. All the water which condensates during the heat exchange is collected in a tank and is used to irrigate the surrounding parks.



! THE TALLEST BUILDING IN THE WORLD IS NICKNAMED THE ORCHID. THE ARCHITECTS WANTED **IT LOOK AS MUCH AS POSSIBLE** LIKE THE HYMENOCALLIS FLOWER.

HIGHER AND HIGHER!

828 m – desperately low. People just won't stop trying to break records. Architects are currently planning on building a skyscraper which would be one kilometre tall... Well, we will see.

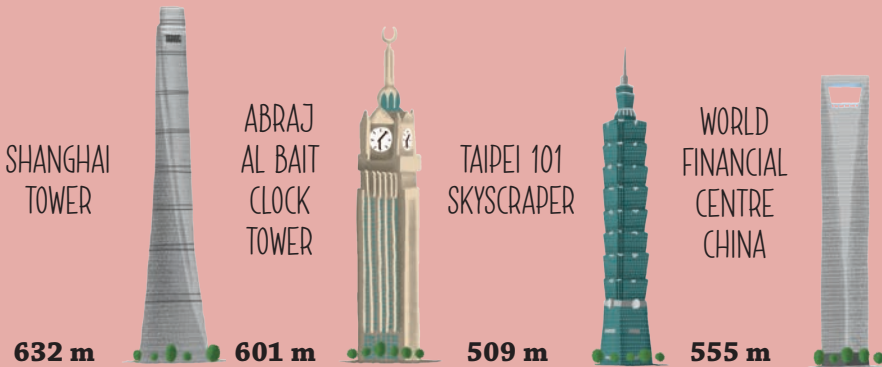
I don't get it. Why are people scared of heights? think it's perfectly normal.



WHO'S AFRAID OF HEIGHTS??

24,348 – that's how many windows the cleaners have to take care of. The windows on the topmost floors, are only meant for the bravest among the expert cleaners. They have to be willing to be suspended by a rope and wash, clean and polish, despite the strong gusts of wind.

THE TALLEST BUILDINGS IN THE WORLD



THE GOLDEN GATE

SAN FRANCISCO

1934-1937

Fog in front of me, fog behind me... thought Philip the stork as he flew over the bay of the Golden Gate in California. Yes, yes, San Francisco was right in front of him, and was literally disappearing in the fog. Leap the frog wanted to stretch a bit so he hopped into the city. Which way did he take? Across the bridge, of course.

THE GOLDEN GATE

One of the most beautiful bridges in the world and, along with the Statue of Liberty, a symbol of the New World, America. It hangs over the bay with ease and beauty, and no winds can move it. Although it seems weightless, it is made of a million tons of steel.



Engineer
JOSEPH B. STRAUSS

WHO WILL HELP ME

Joseph Strauss was the main designer and engineer, commissioned for the bridge. He had to count with all the possible risks when he did his design. He soon understood that such a complicated project is not a one-man job, and he asked for the help of the young architects **Irving Morrow** and **Charles Ellis**.



LET'S DO IT

The wind blew, wailed, whizzed and whisked them in the face. Under these conditions, the workers cut, hewed and built. Frankly, not much fun! It was a great obstacle during the construction of such a bridge. Those guys had to bear a lot back then! The bridge had to be designed so that it would stand up to strong winds, ocean currents and earthquakes.



FOR CARS AND WALKING ENTHUSIASTS

Each driver can reach San Francisco along the six-lane road. And if you don't have a car, you can walk or ride a bike for those nearly three kilometres. It depends on which side of the bridge you choose. The west one path is for bikes, the east one for pedestrians.

WHO WILL DARE?

In 1937, after three/four years of hard work, the bridge was finally opened. Over that one day, 200,000 people walked over it! That's a whole town – and not a particularly small one!

THE GOLDEN RIVET

600,000 rivets hold together the steel construction of the suspension bridge. The last rivet that the workers put in the bridge was golden. This rare and soft metal could not withstand the pressure of hard steel, came loose and fell out of the construction into the ocean depths. They replaced it with a harder, ordinary steel one.

I DESIGN, YOU COUNT

Irving Morrow gave the bridge a shape, Charles Ellis measured everything, did the calculations, and the result was the Golden Gate – an elegant bridge that can hold up to lightning, rain and storms. The length of the bridge – 2,737 metres, red towers and two suspension cables – quite simple.

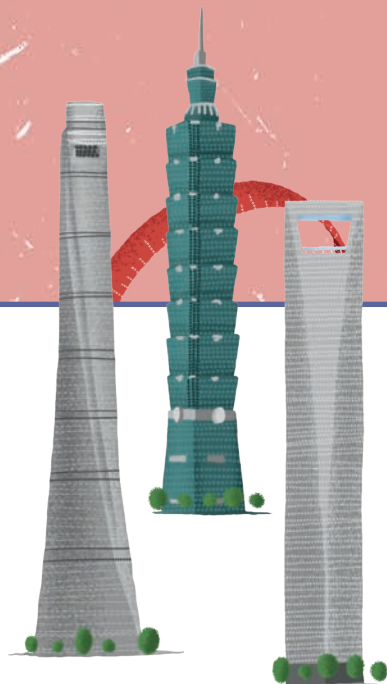
Shall we cross the bridge by foot?

I'd prefer to drive a motorcycle.

THE STORIES OF INTERESTING BUILDINGS

ŠTEPÁNKA SEKANINOVÁ & JAKUB CENKL

Houses built like baskets, super-high towers, magnificent cathedrals, designer villas, suspension bridges – all these plus many more buildings, some very important, others plain peculiar, await everyone who joins Philip the stork and his friend Leap the frog on their quest to crack the mysteries of architecture. Will Philip find the inspiration he seeks to build the best-ever nest for newlyweds with his beloved Helen, so making up for his first, rather lopsided attempt? Why not find out for yourself? Gothic, Renaissance, Baroque, Art Nouveau, Functionalist – it's all here. So take a seat between Philip's wings – the building styles adventure is about to begin!



JOIN
US ON JOURNEY
AROUND THE
WORLD



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WARNING: CHOKING HAZARD
Small parts. Not suitable for
children under 36 months.

