

I learned that it is very difficult to clean stain glass windows and is a constant process that will never end, costing around 6,000 euros per window pane.

i learned that when they clean the stained glass they put another layer of glass on the outside so it doesn't get dirty again and they don't have to keep repeating the process. i also learned that it's super expensive and maybe i should look into that as my profession.

I learned that when Virgin Mary is facing forward with a straight face and the baby in the middle of her hands it is in Roman style. But when Virgin Mary is slightly smiling and the baby is to the left or right then it is in Gothic style.

I learned the difference between 1300s stained glass and 1600s stained glass and how the newer stained glass has bigger pieces as the artists worked for money and not for food so they were more rushed than the artists for the 1300s. As the 1300s artists worked for food.

That there are stained glass windows from the 13th century and the 16th century. Also that the outside of the building is mainly gothic architecture with pointed roofs and things like that

I learned that the yellow color in stained glass is often due to the presence of real gold

That even though professional glass makers and technicians know when it is actually time to replace/repair parts of the church the politicians are the ones who decide when things are fixed

I learned the difference between renovation and conservation is a presence of building something new. This is seen in the art work in the plaza. Some are conserved and others are not.

I learned that there's a small space between the bottom of the window and the building to prevent moisture from collecting

I learned the difference between different century stained glass- the 16 century made bigger pieces because they were being paid money compared to the 13 century where they made smaller pieces because they were being paid food

I learned that the Roman baths under the cathedral pose a risk to the structural integrity of the cathedral and it's possible it may collapse one day if not repaired. I also found it odd that the government decided to clean the windows prior to fixing the foundation even though that was the opposite of the recommendation. It would be interesting to know why they chose to do that... maybe because pretty windows brings more tourists and a strong foundation does not.

i learned about la 'reconquista' where the christians were recapturing territory from the muslims and it ended in the 15th century when granada was conquered.

I learned that there was a technical challenge building the cathedral de León due to the Roman bath ruins underneath the floor and the quality of limestone. To solve this issue, the flying buttresses spread over quite a horizontal distance and parts of the building gain structural independence.

I learned that the blue stained glass is tinted by cobalt. I also learned that cobalt is poisonous. I'm left to wonder: how toxic is this cobalt? Was it a weak poison that killed slowly over time, or were these glass craftsmen just dropping dead quickly and being replaced? Maybe I'll google these questions and answer them in my journal 😊

I learned that it is cheaper to live in Leon. The apartments near the plaza mayor are around \$500 a month. The apartments farther from the plaza (where Camino lives), are bigger and cheaper around \$300 a month. Camino said this was pricy!! Which for us compared to America is very cheap.

I learned that learning requires enrollment from all parties involved. And it is hard to learn when I have a lot of energy that I want get out through movement, regardless of how cool of a learning experience is in front of me. And that they paid people in food in the 13th century which lead people to work for longer and be more detailed.

I learned that there are two Saint James, Saint James the greater (the Camino guy), and Saint James the lesser (believed to have preached in Egypt and Palestine). St James the greater is depicted with scallop shells, and St James the lesser is depicted with a club (that he was killed with)

I also learned that it is rare to see artistic depictions of Mary pregnant, which makes sense because I don't remember having seen one before today. It makes me wonder what cultural feelings and ideas make it so that we prefer to view the mother and child as separate rather than glorify the phase in which the godly child develops within his human mother. Our culture view of Jesus's birth almost feels more akin to the pagan story of Athena leaping from Zeus's forehead rather than the 9 month process. Oftentimes we skip directly from the story of immaculate conception to his birth in the manger.

I learned that the blue in the stain glass (which I believe was mainly in the north or the church I believe) was pigmented using cobalt, which is toxic. I know that cobalt is still often used to pigment paint and is a highly pigmented color, meaning that less of it needed to have a vibrant color!

I learned about the differences between 13th and 16th century stained glass. I learned that 13th century stained glass is recognizable because it was made of much smaller pieces of glass than 16th century stained glass. this was due to a few reasons

1. 13th century stained glass. was made by blown glass cut into pieces and then arranged like a mosaic. a lot of 16th century glass is painted onto larger pieces of glass.

2. in the 13th century, the artisans were paid in food rather than money so they were incentivized to work for longer on panels of stained glass by using smaller pieces.

I learned that the left side of the cathedral was the Old Testament while the right side represented the New Testament. The middle of the cathedral is where Jesus is connecting them all. Also learned that each tier of the stain less represented different tiers - lower: workers and commoners, middle: coat of arms and government, upper: the saints and religious figures.

I learned that St. Anthony is the patron saint of missing things and that, according to Camino, I apparently need to go pray to him to find me a hubby