

CCNJ-Carl-Zeiss-Week

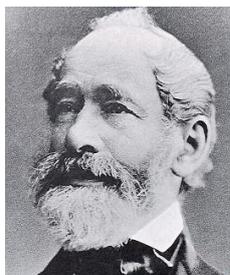
Hello readers! 😊

We are at school, it's project week. Our subject is Carl Zeiss. He was a mechanic in Jena. All students at the Carl-Zeiss-Grammar School work in groups (Biology, English, Geography, History, Mathematics, Physics and Chemistry). We, Clara, Josi, Neele and Chiara, write this blog for you. We are four of ten students who are in the English group. We keep you up-to-date about the Carl-Zeiss-Project-Week.

Today, the 18th of June 2018, we watched a movie about Carl-Zeiss, which is called "Die gläserne Fackel" (something like "The Glass Torch") in the morning. It is a seven-part movie based on Wolfgang Held's 1989 novel of the same name. The movie deals with the destinies and lives of the Steinhüter family, who are closely associated with the Carl Zeiss Jena company for more than five generations. With the family history, the film also shows the development of the Zeiss works from a small craft business to a modern, internationally renowned company in the precision optics industry. The movie was interesting but sometimes it was a little bit boring because it is an older movie.



But that wasn't everything: after the movie Neele and Clara asked the other groups what they want to do...



- Geography: explore rocks
- History: investigate about persons
- Physics: look at examples of telescopes
- Chemistry: do experiments
- Biology: prepare a presentation about electronic microscopes & scents

Daily bits and pieces about Carl Zeiss:

He was born in 1816 (11th of September) in Weimar (Germany). His zodiac sign was Virgo. He died on the 3rd of December 1888 an the age of 72. His mother was Johanna Antoinette Frederike Schmith and his father was Johann Gottfried August Zeiss. He also had many siblings.



So, bye and see you tomorrow!

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It's the second day of our project week! Today we could stay in bed a little bit longer because we went to the optics museum in Jena. What a blessing! We met at 9 o'clock at the entrance and then split up into 3 groups: 7a, 7b, 7c. For each group, there was a kind of workshop but of course we switched. The first one (for the 7a) was about the place where Zeiss and his "assistants" worked and made the lenses for the microscopes. The second was about Carl Zeiss, Ernst Abbe and Otto Schott's biographies. The last was about the development of microscopes and we saw many examples. Also, the last one was the only one where we could sit, very nice!



After our visit of the museum most groups went back to school but some groups stayed in the city to explore some cool and interesting things. Of course the English group (our group) is working in the school because we need computers. Today we changed roles, that means here are Neele and Clara, Chiara and Josi are searching for some information on the internet.

The groups continue their work from yesterday, except History (they're in an archive) and Biology (they're in the "Phyletisches Museum Jena").

Daily bits and pieces about Carl Zeiss:

Family life: *In 1849 he married Bertha Schatter who died during the birth of their first child (Roderich Zeiss). In 1853 he married again. The name of his second wife was Ottilie Trinkler. After the second marriage three children were born: Karl Otto, Hedwig and Sidonie. Carl Zeiss lived very modestly and invested his money in his business. He devoted his free time to garden and books.*

We all look forward to the next days of our interesting project week!



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Today (20th of June) is just a normal day. That means, we don't go to museums, watch films or do anything special. Just writing and working on our blog. First, we asked the other groups, what they are doing today:

- Physics: search for information about reflexive telescopes
- Geography:
- History: go into the archive
- Biology:
- Mathematics: go to Polaris
- Chemistry:



Ernst Abbe **Otto Schott** **Carl-Zeiss**
1840-1905 1851-1935 1816-1888

Now we write this blog and Neele and Clara are searching for information for our daily bits and pieces. The boys from our group are making a photo gallery about the Carl-Zeiss-Week. We also search for

information about Carl-Zeiss and Ernst Abbe (he, Carl-Zeiss and Otto Schott laid the basis for the production of lenses) The other girls of our group are in the city to make a video about Carl-Zeiss.

Daily bits and pieces about Carl-Zeiss:

Carl Zeiss, Otto Schott and Ernst Abbe changed the world. But how? All of them were very good at Mathematics, Physics and Science. When Zeiss was 30 years old, he decided to start his own business in Jena. On the 17th of November in 1846 he opened his own small factory with a seed capital of 100 talers. First he worked without any assistants, later he had only a few. But Zeiss wasn't content with his microscopes so he asked Abbe for help. They wanted to make a microscope which is better than the others and has optimal optics. The company grew but there was one thing they needed: the perfect glass. After searching for a long time, they finally found Schott who produced optimal glass for their microscopes. At this time Zeiss already was very old, but the others of their triumvirate were still young. Their microscopes became really popular. Zeiss died in 1888. But his factory still exists in Jena!

TODAY'S SPECIAL:

microscopes

Johanna Antoinette Friederike Schmith

BeRtha Schatter

Lenses

Roderich Zeiss

Ernst Abbe

Welmar

Otto Schott

OpticS



So bye and have a nice day!

CCNJ-Carl-Zeiss-Week



Hello everyone~

Today we just worked in our groups, so nothing special. Anyways, we asked the other groups what they are doing, just like the last days of our project week.

- Physics: reflecting on telescopes
- Mathematics:
- Chemistry: make “Bolonaisatränen” (whatever that is)
- Geography: PowerPoint about rocks
- History:
- Biology: doing their presentation; watching a movie



We (Clara and Neele) are writing the blog again. We also wrote a little poem which you will find at the end. The others from our group continue their thing too (making a little video and kind of a photo story). Now we are going to ask some people facts about Carl Zeiss (like a small quiz I guess).

Our questions:

When was his birthday?; Where was he born?; When did he die?; How many children did he have?; How many wives did he have?; What did he do?; Which 2 persons were really important for his success?; Where was his factory?; How much time did it take to produce one lens?

We asked an older friendly man, an older nice woman and a young friendly woman.

EVALUATION:

Nobody knew the birthday and the death-day of Carl Zeiss. Two of them knew where Zeiss was born but the last woman (she wasn't from Jena) didn't know it so she said Jena. No one could tell us how many children Zeiss had, the best guess was 3. Only the friendly man knew how many wives Carl had. Everyone knew what he did and who he was. The first two persons knew who was important for Zeiss' success and they also knew where his factory was. Nobody could say how long it took to produce a lens. They guessed 6 hours and 1 to 2 months.



We were a little bit shocked because no one knew when Zeiss was born and when he died. We think we should keep important historical things in our mind!

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So bye and have a nice day!

CENJ- Carl- Zeiss- Project- Week

Today it's the 22nd of June 2018. It's the last day of our project week. It was very interesting to know what the other groups do- but what do we say? Today is still ahead of us! So, today we want to practice the presentation of our project and then we want to present our project to the other groups - as an exercise for the presentation at the school festival (each group presents what they have done).



Daily Bits and pieces about Carl Zeiss - Profile of Carl Zeiss

Birthday: *11th of September 1816*

Day of death: *3rd of December 1888*

Job: *mechanic, physicist*

Parents: *Johanna Antoinette Friederike Schmith, Johann Gottfried August Zeiss*

Education: *Wilhelm-Ernst-Gymnasium Weimar, Friedrich-Schiller-University Jena*

Wife: *Bertha Schatter, Ottilie Trinkler*

Children: *Karl Otto, Hedwig, Sidonie, Roderich*

Goodbye!



GoodbyeGoodbyeGoodbyeGoodbyeGoodbyeGoodbyeGoodbyeGoodbye

Changes

It was in his blood
To change everyone's life
It came like a flood
He needed to survive
But he'll change the world

It all began when he was 30 years
He wanted to start his own work
But didn't have time to let out his tears
And didn't have time to smirk
But he'll change the world

His first microscopes were great
But their quality wasn't good enough
And it was his fate
So he invented new stuff
Because he'll change the world

He didn't know what to do
So he asked Abbe for advice
His sky became blue
Again, there was hope in his eyes
So he'll change the world

Abbe decided to help him
He developed an equation
And they decided to win
Because they wanted reputation
To change the world

Better lenses were needed, yes
They asked Otto Schott
And he invented the perfect glass
So they built microscopes - a lot
Because they changed the world

1888 Carl Zeiss died
He was an important person
He still is in our mind
He did his own version
Yeah, he changed the world

by Clara Böttcher and Neele Lehner