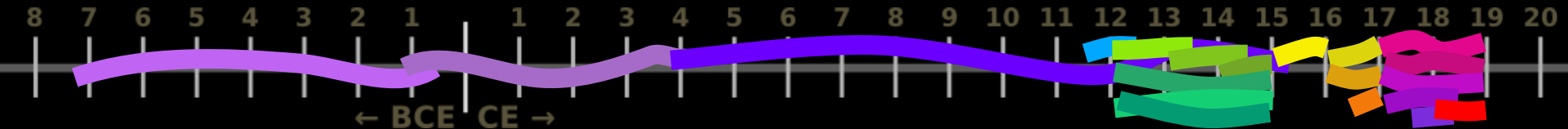


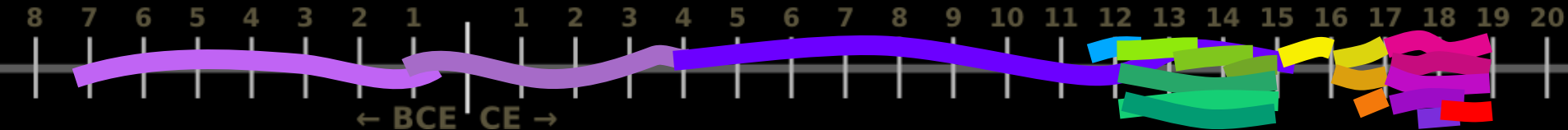
History of Western Architecture

7th c. BCE – 18th c. CE



Why *western* architecture?

Because that's what I wanted to learn about and you're the victims of this study :)

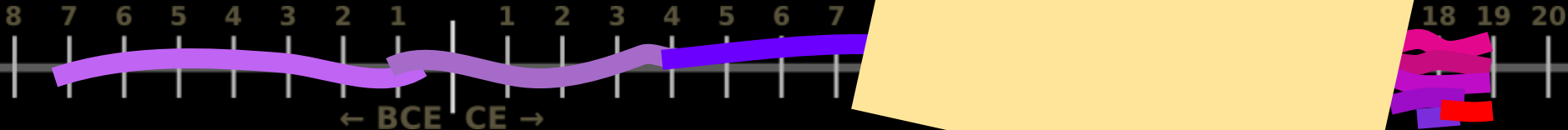


Why *western* architecture?

Because that's what I wanted to learn about and you're the victims of this study :)

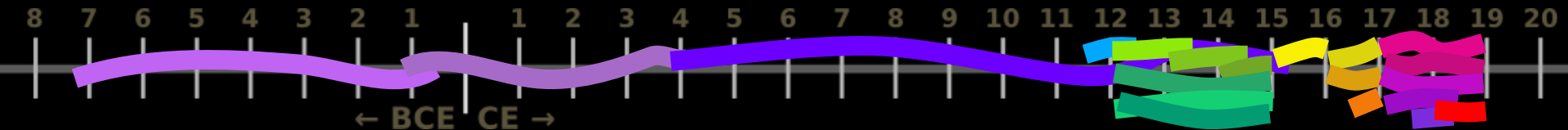
Free UDLS idea of the day:
History of Non-Western Architecture

:)



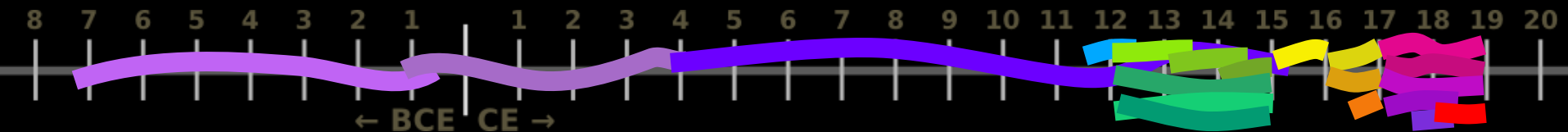
What we'll cover

- Relevant tidbits from history
- Some construction techniques and their effect on the artistic styles
- Focusing on some eras and styles, skimming others

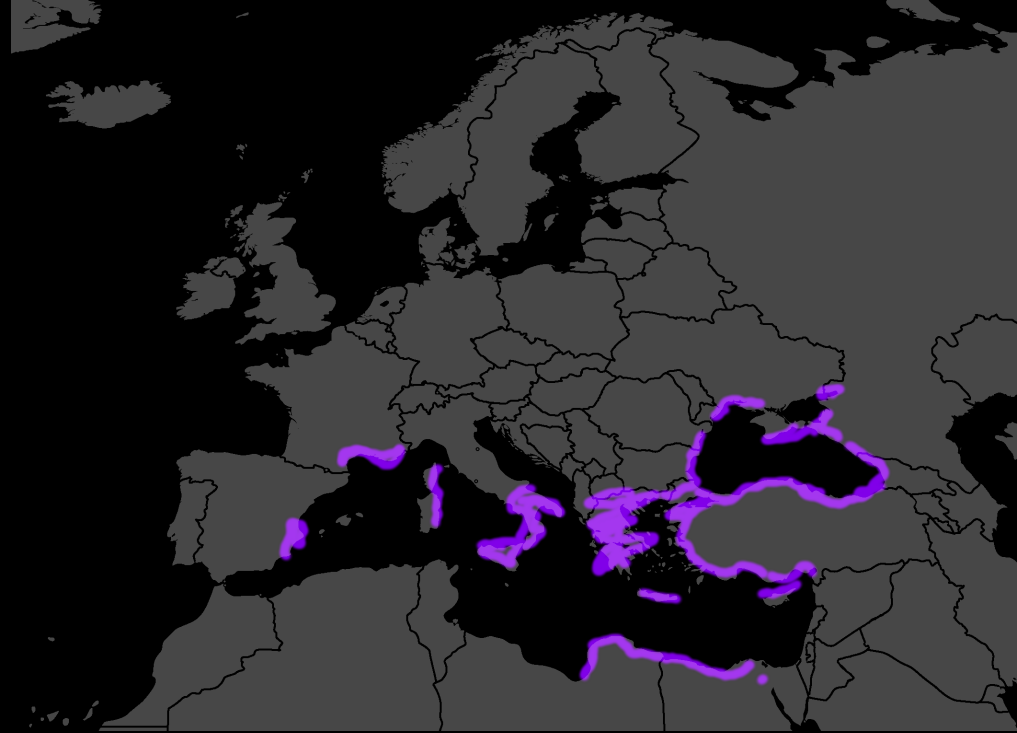


What you should take from this talk

- Know what features of buildings to look for
- Develop a vague intuition for estimating a building's age
- Learn to recognize imitations of features in smaller buildings (e.g., your Kits / Point Gray house)



Classical — Ancient Greek



Classical — Ancient Greek

Trabeated system



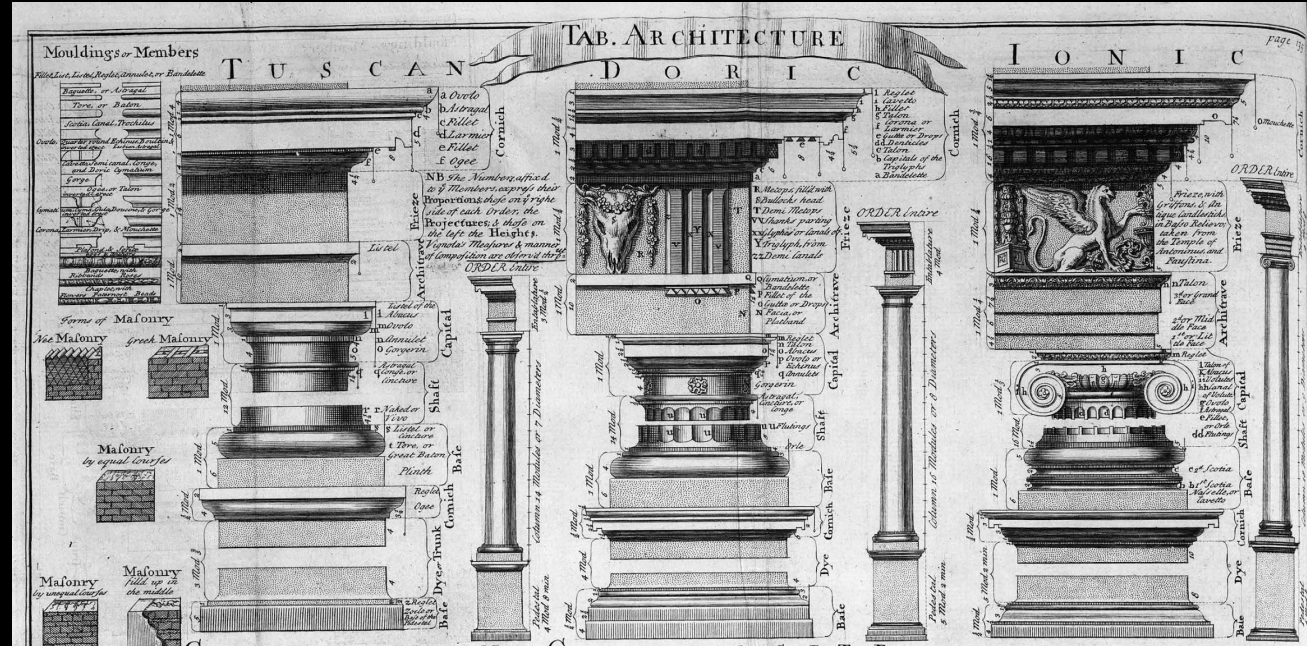
Erechtheum (421 BCE–406 BCE), Athens, Greece

Photo credit: Erik Drost <https://www.flickr.com/photos/edrost88/5987126174>



Classical — Ancient Greek

Orders



Greek orders: Doric, Ionic, Corinthian | Roman orders: Tuscan, Composite

Cyclopædia, or an Universal Dictionary of Arts and Sciences. James and John Knapton, et al. , volume 1.

Photo source: https://commons.wikimedia.org/wiki/File:Table_of_architecture,_Cyclopædia,_1728,_volume_1.jpg

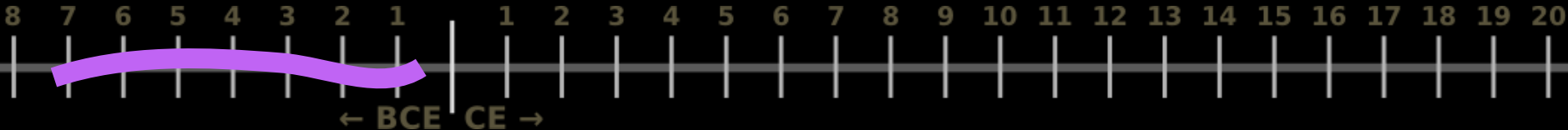


Classical — Ancient Greek

Sculptures Great Altar of Zeus (mid 2nd c. BCE), Pergamon, Turkey



Photo credit: Jan Mehlich http://commons.wikimedia.org/wiki/File:Berlin_-_Pergamonmuseum_-_Altar_01.jpg



Classical — Ancient Greek



The Parthenon (447 BCE–432 BCE), Athens, Greece

Photo credit: Dimitris Agelakis <https://www.flickr.com/photos/agelakis/4993813555>



Classical — Ancient Roman

“Græcia capta ferum
victorem cepit, et artes
intulit agresti Latio”

*Greece, once conquered, in turn
conquered its uncivilized conqueror, and
brought the arts to rustic Latium*

— Horace



Classical — Ancient Roman

Arches



**Pont du gard (40–60
CE?), near Nîmes, France**

Photo credit: Arjan Almekinders <https://www.flickr.com/photos/almekinders/3893269797>



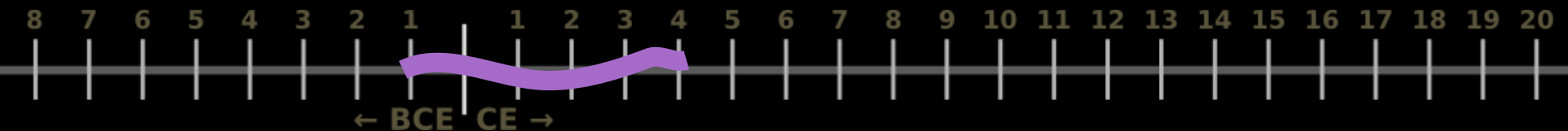
Classical — Ancient Roman

Vaults



Terme di Caracalla (212–217 CE), Rome, Italy

Photos credit: Nathan Wind <https://www.flickr.com/photos/sibilino/2365165332>
Mars Chen <https://www.flickr.com/photos/mars1226/8605994320>
Francis Norman <https://www.flickr.com/photos/francisnorman/8352706974>



Classical — Ancient Roman

Domes Pantheon (original 27 BCE–14 CE, current 118–128 CE), Rome, Italy



Photos credit: Walter Parenteau <https://www.flickr.com/photos/mwparenteau/451979667>
Atibordee Kongprepan <https://www.flickr.com/photos/atibordee/13995519705>



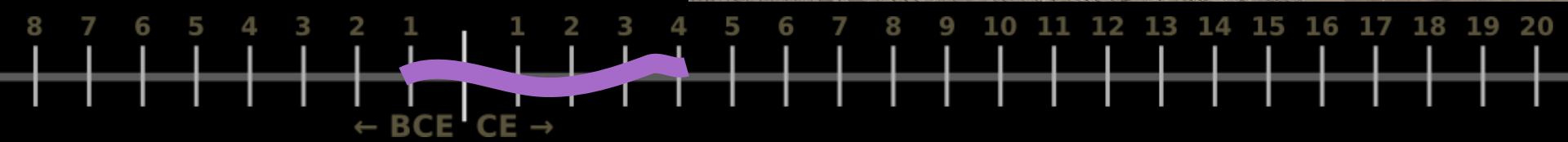
Classical — Ancient Roman

Walls



**Maison Carrée (16 BCE),
Nîmes, France**

Photo credit: Dennis Jarvis <https://www.flickr.com/photos/archer10/15867600545/>



Classical — Ancient Roman

The Colosseum (75 BCE–82 BCE), Rome, Italy

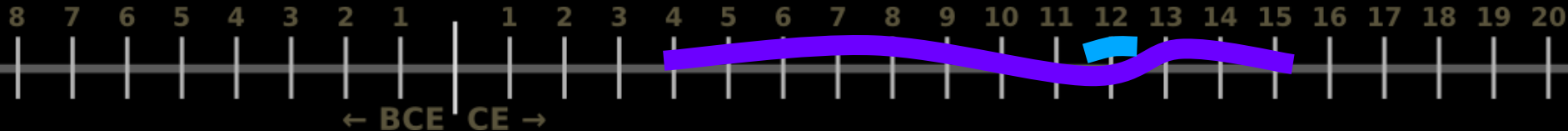
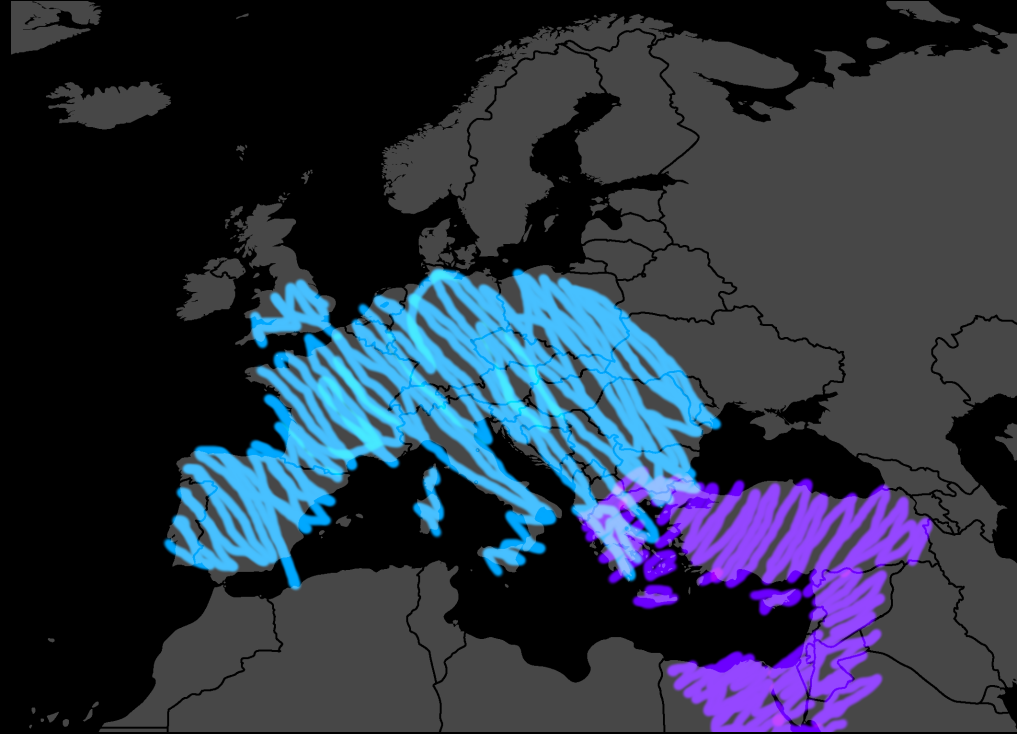


Photos credit: daisy.r <https://www.flickr.com/photos/jazzcatmeow/4174260026>
Jess Have <https://www.flickr.com/photos/jhave/14835897>
Stephanie Rogers <https://www.flickr.com/photos/stephrog/2485711194/in/photostream/>



Early Christian

- Edict of Milan of 313 CE
- Greek temples are Pagan, new base form was required to differentiate Christianity
- Great Schism of 1054 CE
- Styles:
 - Byzantine
 - Romanesque

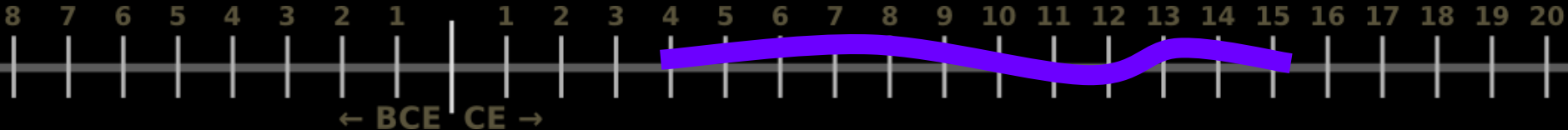


Early Christian — Byzantine

Hagia Sophia (532–537),
Istanbul, Turkey



Photos credit: Dennis Jarvis <https://www.flickr.com/photos/archer10/11312947256/>
Tim Dawson https://www.flickr.com/photos/tim_dawson/5860587612/



Early Christian — Romanesque



Speyer Cathedral (1,024–1,061), Speyer, Germany

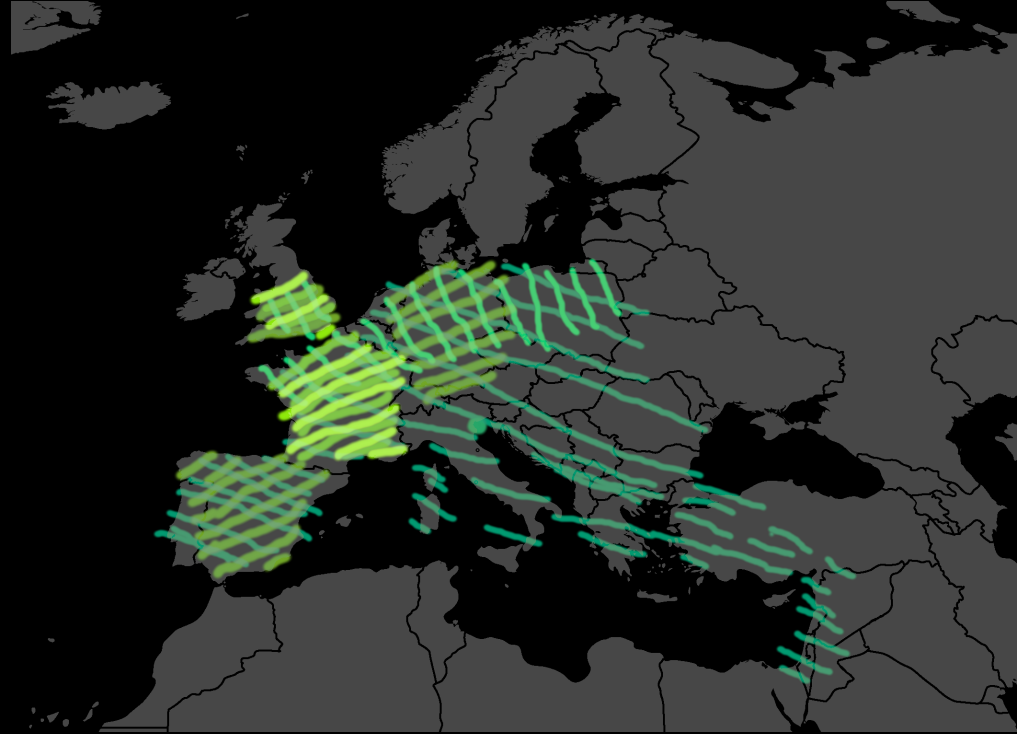
Photos credit: Alfred Hutter [https://en.wikipedia.org/wiki/File:Speyer---Cathedral---East-View---\(Gentry\).jpg](https://en.wikipedia.org/wiki/File:Speyer---Cathedral---East-View---(Gentry).jpg)

Wolf https://en.wikipedia.org/wiki/File:Speyerer_Dom_Mittelschiff.jpg



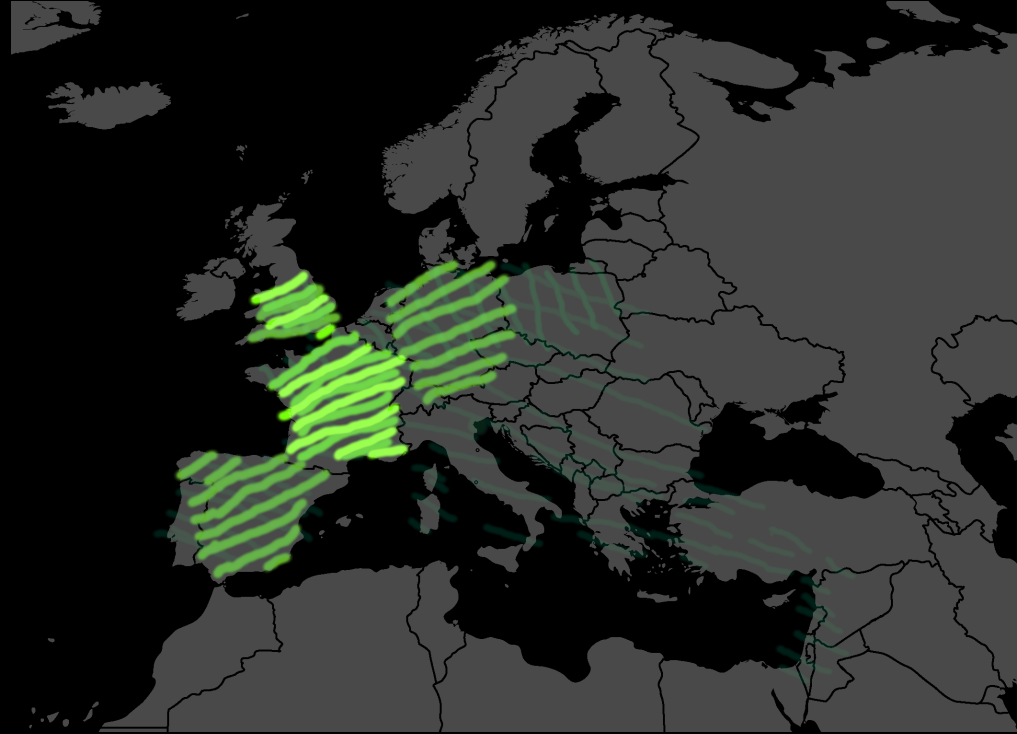
Gothic and Medieval

- Styles:
 - **Early Gothic**
 - **High Gothic**
 - **Late Gothic**
 - **Venetian Gothic**
 - **Secular Gothic**
 - **Castle**



Medieval and Gothic

- Styles:
 - Early Gothic
 - High Gothic
 - Late Gothic
 - Venetian Gothic
 - Secular Gothic
 - Castle



Medieval — Early/High/Late Gothic

Flying buttresses



A buttress that's not flying anywhere
Great Mosque of Kairouan
(670), Kairouan, Tunisia

Photo credit: weetoon66 <https://www.flickr.com/photos/33176558@N00/5509026248>

Notre-Dame de Paris (1,163–1,345), Paris, France

Photos credit: Jonathan Moreau https://www.flickr.com/photos/jonathan_moreau/196566232/
Jonathan <https://www.flickr.com/photos/iceninejon/289901937/>



Medieval — Early/High/Late Gothic

Complex vaults



Left: *rib vault*: **Mosteiro de Santa Maria** (1,178–1,252), Alcobaça, Portugal

Photo credit: Carlos Eduardo Souza Lopes <https://www.flickr.com/photos/celopes/26028104/>

Centre: *sexpartite vault*: **Cathédrale Notre-Dame de Laon** (1,180–1,215), Laon, France

Photo credit: Archigeek <https://www.flickr.com/photos/thearchigeek/8183284509/>

Right: *fan vault*: **King's College Chapel** (1,446–1,515), Cambridge, England

Photo credit: Gary Ullah <https://www.flickr.com/photos/garyullah/8823969374/>



Medieval — Early/High/Late Gothic

Pointed arches and Traceries

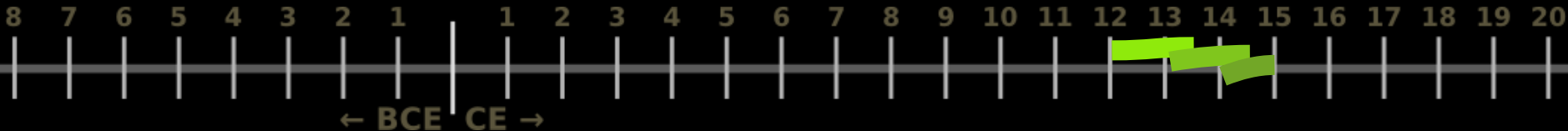


Left: **Salisbury Cathedral** (1,220–1,258), Salisbury, Wiltshire, England

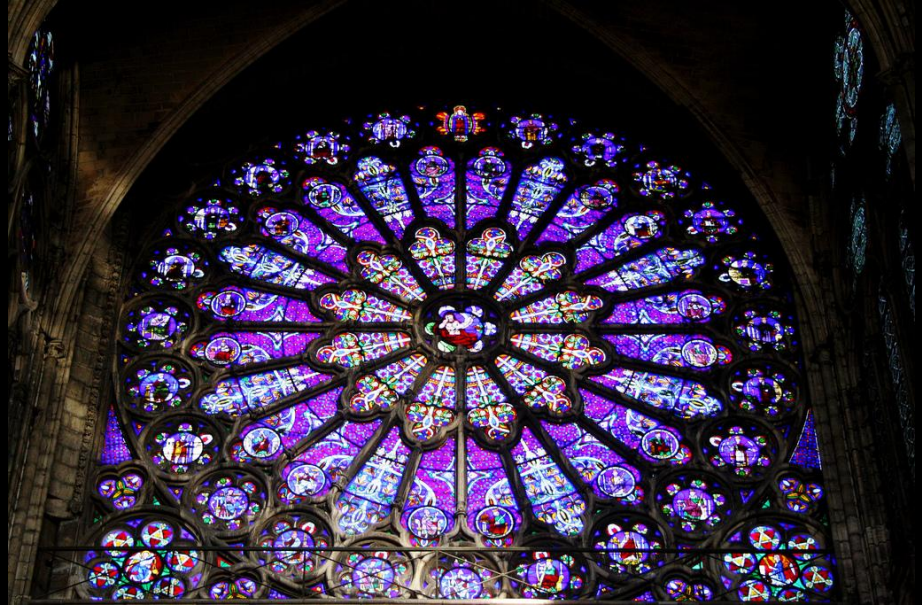
Photo credit: Steve Cadman <https://www.flickr.com/photos/stevecadman/2727212849/>

Right: **York Minster** (1,280–1,350), York, Yorkshire, England

Photo credit: Albert <https://www.flickr.com/photos/campra/3801914316/>



Medieval — Early/High/Late Gothic



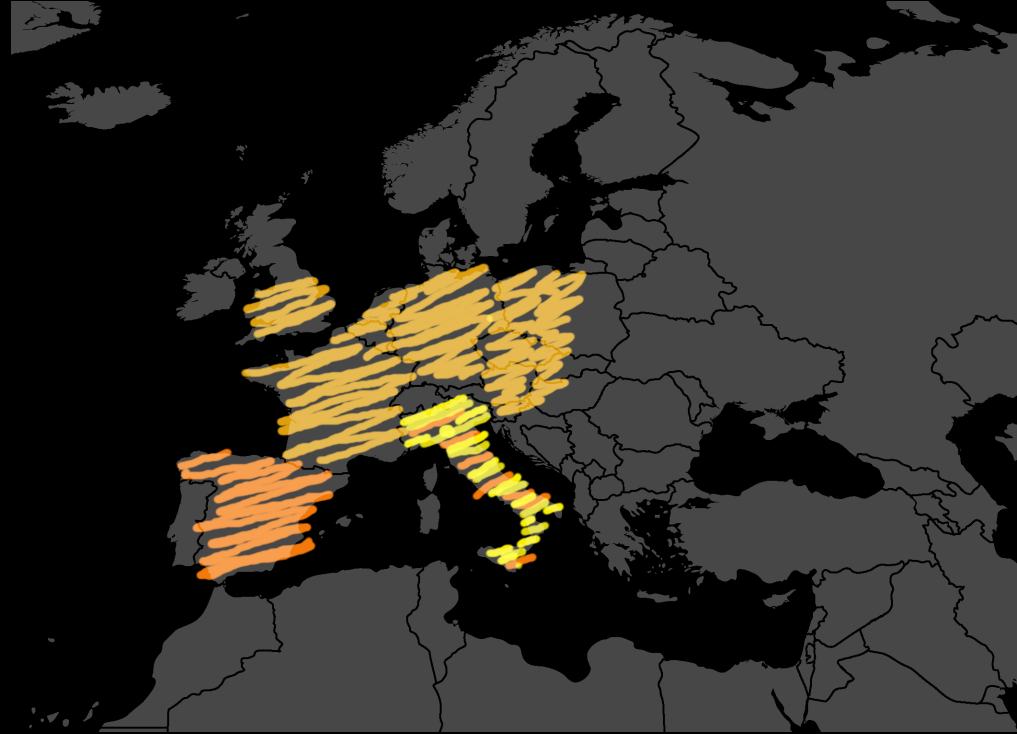
Basilica of Saint-Denis (1,135–1,144), Saint-Denis, France

Photos credit: fmpgoh <https://www.flickr.com/photos/fmpgoh/5273767368/>; Boreled https://en.wikipedia.org/wiki/File:Coeur_de_la_Basilique_de_Saint-Senis.jpg
Robyn Lee <https://www.flickr.com/photos/robopy/323297513/>



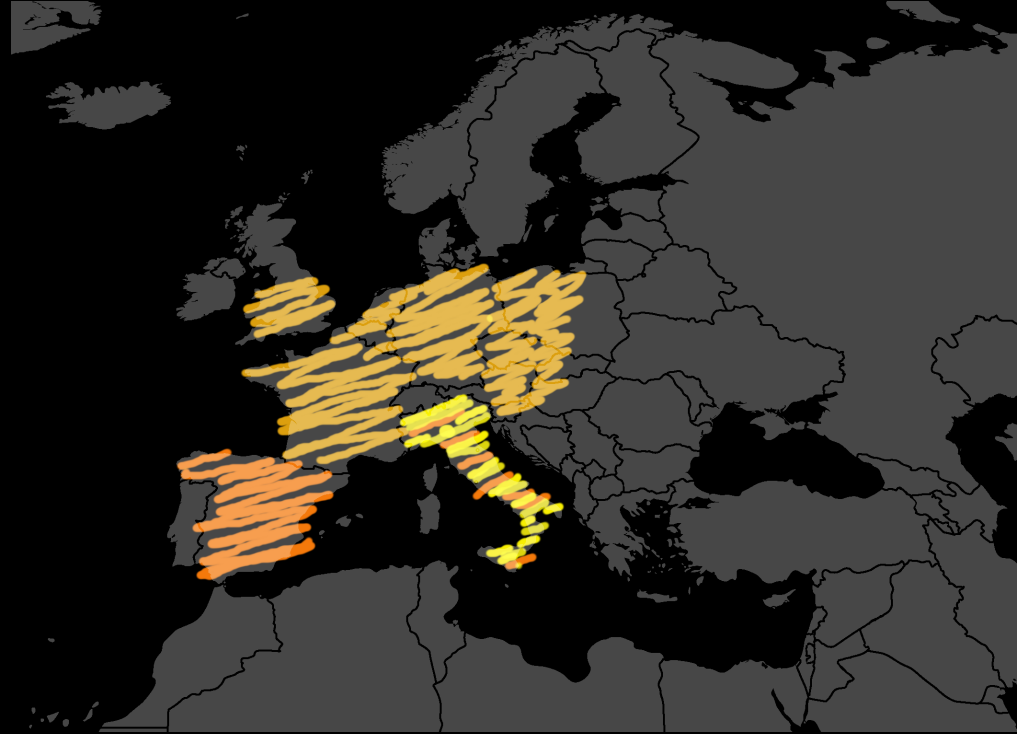
Renaissance

- Literally: “rebirth”
- Education becomes more common, no longer the sole property of the elite
- Styles:
 - Early Renaissance
 - High Renaissance
 - Northern Renaissance
 - Mannerism



Renaissance

- Literally: “rebirth”
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- Styles:
 - Early Renaissance
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Renaissance — Early/High

Emulation of the antique

Basilica of Sant'Andrea (1,462–1,506),
Mantua, Italy

Photo credit: Allie_Caulfield https://www.flickr.com/photos/wm_archiv/4233749279/



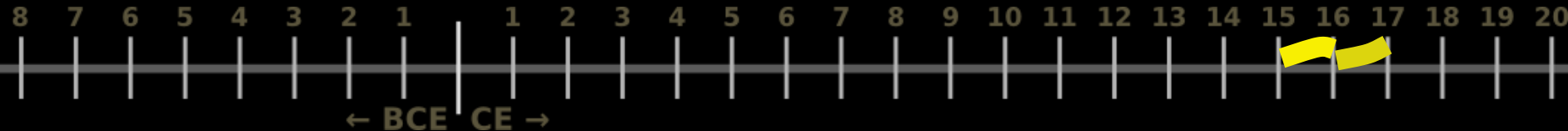
Renaissance — Early/High

New techniques

**Cattedrale di Santa
Maria del Fiore**
(1,296–1,436),
Florence, Italy



Brunelleschi, Dome of the Cathedral of Florence, 1420-36
https://www.youtube.com/watch?v=TQ8F_vPwgzA



Renaissance — Early/High

Proportional façades



Palazzo Rucellai
(1,446–1,451),
Florence, Italy

Photo credit: John Galanti https://www.flickr.com/photos/eco_oficina/9756759213/
Ann Silver https://www.flickr.com/photos/centre_image_library/438764284/



Renaissance — Early/High

Grandeur and Monumentality



Basilica di San Lorenzo (1,422–1,470), Florence, Italy

Palazzo Farnese (1,534–1,546), Rome, Italy

Photo credit: Eric Parker <https://www.flickr.com/photos/ericparker/5495060057/>

Photo credit: Eric Parker <https://www.flickr.com/photos/ericparker/5495060057/>



Renaissance — Northern



**Hardwick Hall (1,590–1,597),
Derbyshire, England**

Photo credit: AD Teasdale <https://www.flickr.com/photos/adteasdale/8498283586/>



Château de Chambord (1,519–1,547), Chambord, France

Photo credit: Anna & Michal <https://www.flickr.com/photos/michalo/2775544162/>



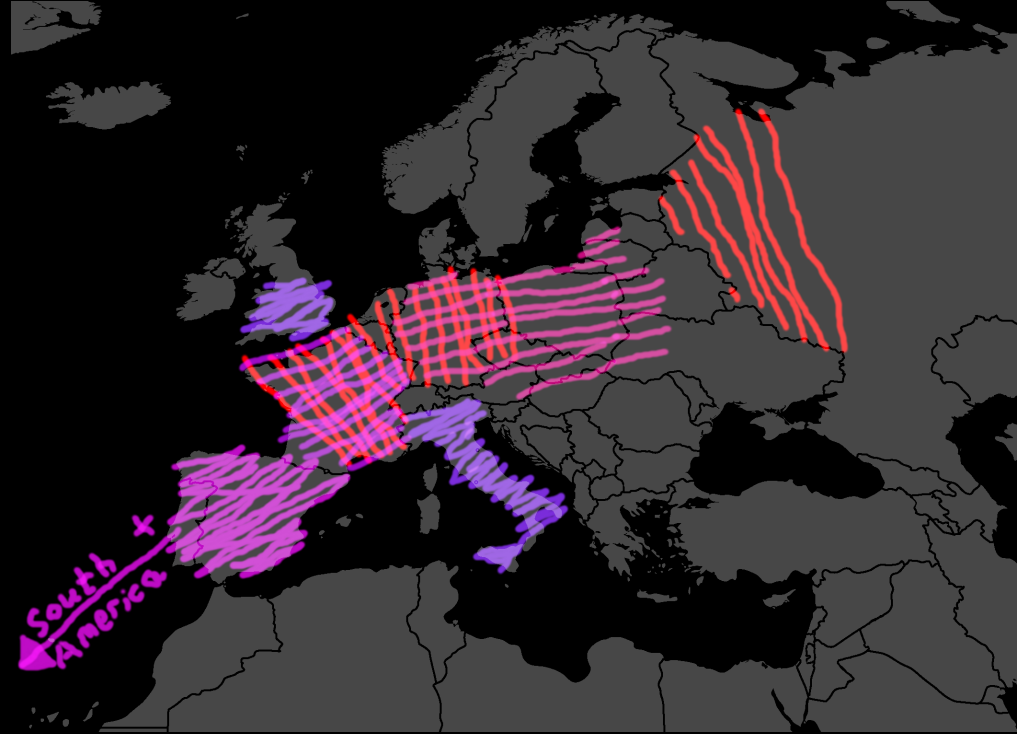
**Stadhuis (1,561–1,564),
Antwerp, Belgium**

Photo credit: Bruce Irschick <https://www.flickr.com/photos/irschick/4666327572/>



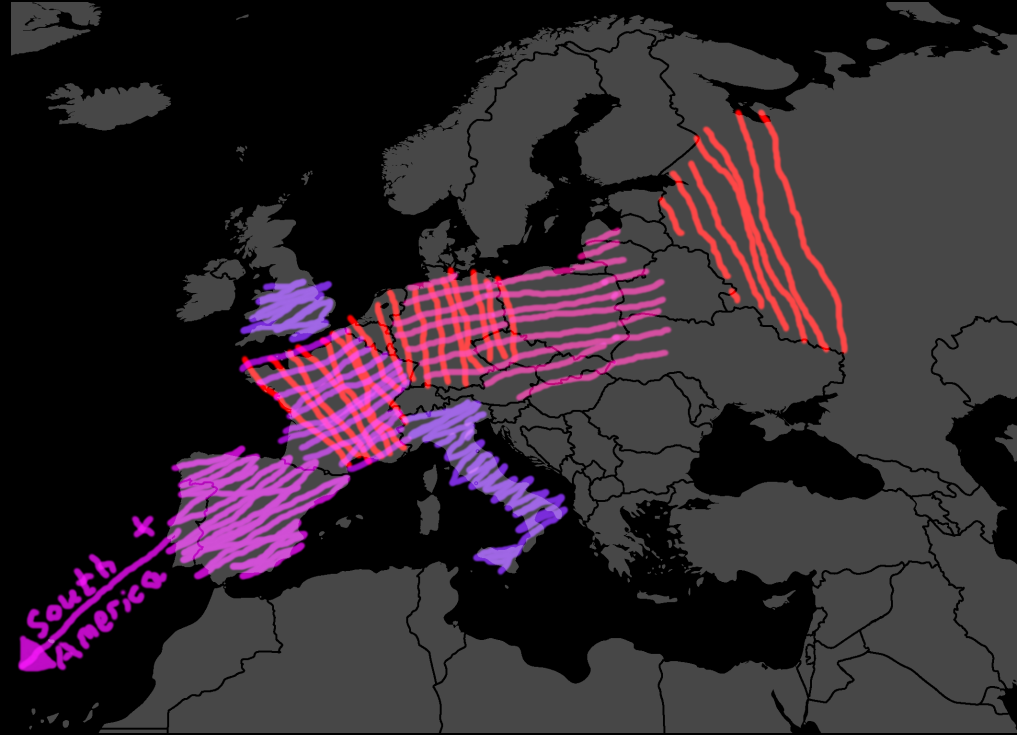
Baroque and Rococo

- Baroque — (sorta) French for “deformed pearl”
- Blurring the line between internal and external design



Baroque and Rococo

- Styles:
 - Italian Baroque
 - German and Eastern European Baroque
 - Spanish and Latin American Baroque
 - French Baroque
 - English Baroque
 - Rococo



Baroque — Italian

Curving façades



Santa Maria della Pace (1,656–1,667), Rome, Italy

Photos credit: Matthew Roberts <https://www.flickr.com/photos/btx91/8681045861/>
wsifrancis <https://www.flickr.com/photos/wsifrancis/2646002025/>



Baroque — Italian

Illusions

Sant'Ignazio Church
(1,626–1,650), Rome, Italy

Photo credit: Bruce McAdam
https://commons.wikimedia.org/wiki/File:Andrea_Pozzo_-_Apoteose_de_Santo_Ignacio.jpg



Baroque — German and E. European

Gothic
influence

Pilgrimage
Church of Saint
John of Nepomuk
(1,719–1,727),
Žďár nad Sázavou,
Czech Republic



Onion
domes

Saint Andrew's
Church
(1,747–1,754),
Kiev, Ukraine

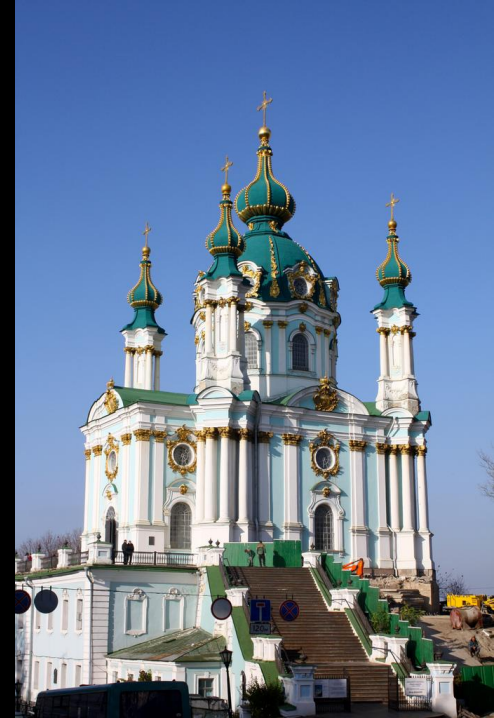


Photo credit: Kyle Taylor <https://www.flickr.com/photos/kyletaylor/4073720744/>



Baroque — Spanish and S. American

Churrigueresque



Santiago de Compostela Cathedral
(1,075–1,211; Baroque façade 1,740),
Santiago de Compostela, Galicia, Spain

Photo credit: Simone Ramella <https://www.flickr.com/photos/ramella/2931710467/>



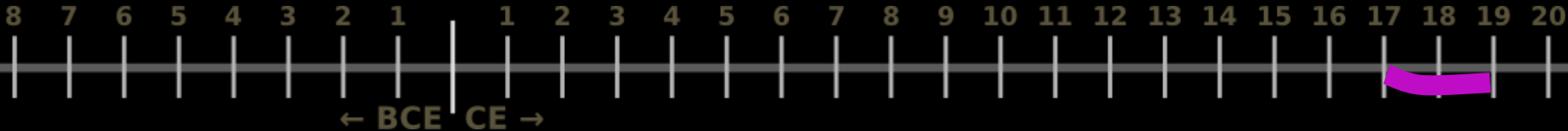
Baroque — Spanish and S. American

Indigenous influence



Cathedral of Santo Domingo (1,559–1,654), Cusco, Peru

Photo credit: Maria Almaraz
https://commons.wikimedia.org/wiki/File:Vista_parcial_de_la_Catedral_de_Cuzco.jpg



Baroque — French

Lavish interiors



Château de Versailles (1,664–
1,789; *Galerie des Glaces*: 1,678–
1,684), Versailles, France

Photo credit: Myrabella https://commons.wikimedia.org/wiki/File:Chateau_Versailles_Galerie_des_Glaces.jpg



Baroque — French

Landscape design



L'Orangerie du Château de Versailles
(1,684–1,686), Versailles, France

Photo credit: Urban <https://commons.wikimedia.org/wiki/File:Orangerie.jpg>



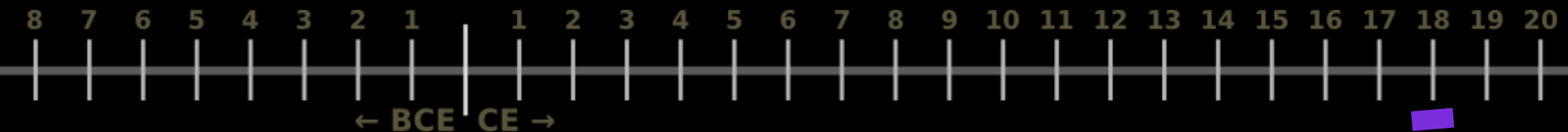
Baroque — English

Plainness



Blenheim Palace (1,705–1,724), Woodstock, Oxfordshire, England

Photo credit: Mark Jones <https://www.flickr.com/photos/23964765@N08/4802980354/>



Baroque — English

Exaggerated keystones



Chatsworth House (1,549–1,696),
Derbyshire, England

Photo credit: Kevin Oliver <https://www.flickr.com/photos/kmoliver/7824278786/>



Rococo

Gesamtkunstwerk



Residenz Würzburg (1,740– 1,745), Würzburg, Bavaria, Germany

Photos credit:

http://www.wuerzburg-residenz.de/englisch/residenz/s_kais04.htm

Rainer Lippert

https://en.wikipedia.org/wiki/File:Würzburger_Residenz_Gartenfront.jpg

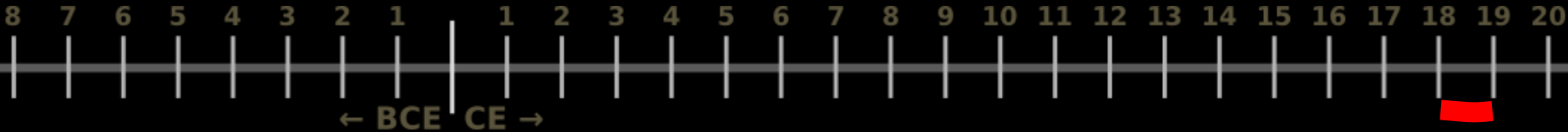
Roger

<https://www.flickr.com/photos/24736216@N07/3649111050/>



Rococo

Asymmetry



Rococo

Foliate decorations



Amalienburg
(1,734–1739)
Munich, Germany

Photos credit: Allie_Caulfield https://www.flickr.com/photos/wm_archiv/2726976145/
https://www.flickr.com/photos/wm_archiv/3557625385/



Rococo



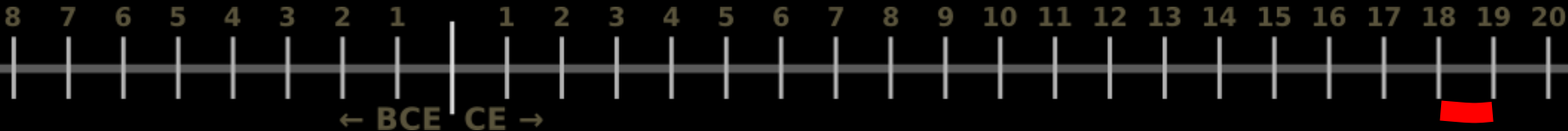
Eszterháza (1,762–1,784), Fertőd, Hungary

Photos credit: Dguendel https://en.wikipedia.org/wiki/File:Fertőd-_château_Esterhaza_the_red_salon.JPG

Monyesz <https://en.wikipedia.org/wiki/File:Fertod-SalaTerrena5-2013.11.02-11.32.45x.jpg>

Szvitek Péter [https://en.wikipedia.org/wiki/File:Esterházy-kastély_\(4051._számú_műemlék\)_2.jpg](https://en.wikipedia.org/wiki/File:Esterházy-kastély_(4051._számú_műemlék)_2.jpg)

https://en.wikipedia.org/wiki/File:Esterh%C3%A1zy-kast%C3%A9ly_%284051._sz%C3%A1m%C3%BA_m%C5%B1eml%C3%A9k%29_10.jpg



Thank you!

Credit where credit's due

- Book: **Architectural Styles, a Visual Guide** / Owen Hopkins
- The art, architecture, and history teachers in my life:
 - Dr. Silvia Rozenberg (my mom)
 - Davide Semenzin

