Ancient Rome continued

The **Colosseum** – 80AD – 80,000 audience. Politicizing of architecture.

The **Pantheon** - 126 ad – structure and form. Design of the dome - oculus, portico.

Roman basilicas. Roman baths.

**Infrastructure** in Ancient Rome – aquaducts, roads, communication, drains

**Early Christian** - 260 to 550AD

Emperor **Constantine** – shift to Christianity and the East. Morphing of the **Basilica into a Church**.

**Centralizing** of Basilica - Santa Costanza built in Rome. The Church of the Holy Sepulcher in Jerusalem. Use of natural lighting in design.

**Byzantine** - 500 – 1453AD

Design of dome over a square – the **Pendentive**. **Hagia Santa Sophia**, Istanbul, Turkey - 537AD.
St Mark's Cathedral, Venice – 1092AD – regionalism, pluralism

Doges Palace – 1400AD – layered regionalism in design

The Islamic Golden Age – 8th to 14th century.
From the Indus Valley in the East, through Persia, Middle East, North Africa, to southern Spain in Europe.

House of Wisdom in Bagdad.
Islamic pointed arches – squinch arches.

Mosque-Cathedral of Cordoba – 200 year history.
Outstanding example of clash of civilizations expressed through architecture.
Concept of the “haram” or praying hall in the form of a hypostyle hall is the main feature of the mosque. Beauty and unification through repetition.

2.

Gothic - 1200 to 1300 - Early Gothic Style
  1300 to 1400 - Decorated Gothic Style
  1400 to 1500 - Perpendicular Gothic Style
Feeling of lightness inside and out achieved with structural innovation.
  1. Pointed arch
  2. Ribbed vault
  3. Flying buttresses

Saint Denis Abbey, Paris - 1144 - first truly Gothic building.

Quito Cathedral, Ecuador – 1567AD
Syncretism in design
**Romanesque, Islamic Golden Age, Middle Ages, and The Renaissance – 500 to 1700AD.**

**Romanesque** - Early medieval Europe.
**Semi-circular arches.** Massiveness, thick walls, round arches, sturdy pillars, groin vaults, large towers, abstract geometric decoration.
Pair of arched window openings within a larger arch.


**Pisa Cathedral** - 11th century - Fused stylistic elements. The transept.

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**Amiens**, Paris - 13th century – French Gothic strove for **great height**.
2.

**Saint Chapelle**, Paris – 1248 – largest ratio of window to solid

**Multi-purpose** use accommodating entire community 10,000 people.

Court of the Lions, **Alhambra, Granada, Spain** – 1362.

**Winchester** Cathedral, England - 554 ft long nave. English Gothic strove for **great length** for processional ceremonies.

**King's College Chapel** University of Cambridge - 1515 - Perpendicular English Gothic. World's largest fan vault – huge stained glass.

**Renaissance** - European history, from the 14th to the 17th century - the cultural bridge between the Middle Ages and modern history. 
1st phase - the rebirth - **Renaissance** - 1400 - 1500 approx.
2nd phase **Baroque** - 1500 - 1525 approx.
3rd phase - **Mannerism and Rocco** - 1520 - 1600 approx.
**Started in Italy**, taking 2 centuries to spread across Europe.

**Florence Cathedral** – 1436 – **Brunelleschi**. Ingenious structural, logistical, and aesthetic design. The largest **brick dome** in the world.

**Santa Maria Novella**, Florence – 1450 - **Alberti**. Human scale, classically Inspired proportions and detaining.

**Leonardo da Vinci’s** 1490 human figure based on Vitruvius.
The Tempietto in Rome – **Bramante** – influential harmonious design.

Laurentian Library, Florence -1571 – **Michelangelo. Mannerism.** Innovative use of space and classical motifs were revolutionary.

San Carlo ale Quattro Fontane, Rome – 1650 - **Borromini.** Iconic masterpiece of Late Mannerism in Baroque design.

The ultimate basilica - **St. Peters** in Rome. 120 year project. Dome 1590. Designed principally by **Bramante, Michelangelo, Maderno** and **Bernini.** Catalogue of lavish design culminating in excesses of Rocco.

The Great **Mosque-Cathedral of Cordova**, Andalusia, Spain, 16th century


The English landscape design. Stourhead, Wiltshire 1740s, **Capability Brown** – informality, romanticism, and picturesqueness.


The millennium bridge connecting St. Paul’s to the Tate Modern.