


- Geological-

Limestone -stucco - marble powder

- Marble- Fine grained - exactness of line, detail
- Mountain of Hymerrus,
- Athens - Pentelicus
- Islands - Paros, Naxos
- Timber - roofing
- Sundried bricks

Natural forces - Gods - Goddesses
Sacrificial Altars - open air
Ritual Dances
Sacred Games
Each town -local heroes, traditions, ceremonies
No regular priesthood

## Gods- affected - human desires - failings

| GREEK (T | Olympians) | ROMAN |
| :---: | :---: | :---: |
| Zeus | The supreme god, and ruler of the sky | Jupiter (Jove) |
| Hera | Wife of Zeus, and goddess of marriage | Juno |
| Apollo | jod of law and reason, art, music and poetry; founder of cities | Apollo |
| Athena | Goddess of wisdom and learning | Minerva |
| Poseidon | The sea god | Neptune |
| Dionysos | God of wine, feasting and revelry | Bacchus |
| Demeter | Goddess of earth and agriculture | Ceres |
| Artemis | Goddess of the chase | Diana |
| Hermes | Messenger of the gods. God of commerce | Mercury |
| Aphrodite | Goddess of love and beauty | Venus |
| Hephaestus | God of fire, flame and forge. God of handicrafts | Vulcan |
| Ares | God of war | Mars |

Also: Hestia (Vesta), goddess of the hearth (sacred fire); Helios (Sol), the sun god; Selene (Luna), the moon goddess; Pan (Pan), god of the flocks. Two mortals who became gods were Heracles (Hercules), god of strength and labour, and Asclepius (Aesculapius), god of healing.

## Historical

- Minoan (Crete) -Early, Middle Bronze -
- King Minos of Knoss
- Mycenae (Helladic Greece)
- Late Bronze Age
- Geometric Age (Dorians)
- Archaic Period
- Hellenic or Classical Age
- Hellenistic Period

$$
\begin{aligned}
& 1400-1100 \text { B.C. } \\
& \text { 2000-1580B.C. } \\
& 900-725 B . C . \\
& 7^{\text {th }}-6 \text { thB.C. } \\
& 480-330 \text { B.C. } \\
& 330-150 \text { B.C. }
\end{aligned}
$$

- Roman Greece
- The City Council- rich people,important citizens.
- Assembly - elections- Democracy
- Stand on a block. - Voting for election - against the person eliminated.
- Individual Identity,
- City State - Polis
- Women -own property, run business, singers, poets.
- Philosophers -discussion - politics, religion. Socrates, Plato -Academia, $1^{\text {st }}$ University in Athens
- Sciences - Pythagoras, Aristotle
- Homer - Illiad,Odyssey -Hercules,Ulysses
- Alpha, Beta, Gama
- Theatres - comedy, tragedy
- Orators - Demosthenes
- Herodotus - history of Persian Wars.
- Law makers
- Town Planners
- Sports - Physical training- Gyms,
- Olympic Games - Zeus temple at Olympia
- Prize - olive wreath - gifts of gold, food.
- Runners, wrestlers, boxers.
- Marathon



## Traebated Architecture columns -Beams -Marble

Walls stone - rubble with ashlar,without mortar Roof Pitch -low-angle of pediment Ceilings - flat - coffered

## ORDERS - grouped number of parts. Each order

 consisted of an upright column, base, capital at the head horizontal member Each order - specfic proportions between parts, specfic mouldings, distinguishing features.

Doric

$\qquad$

Corinthian


Tuscan
$\square$

"
 -


## Corinthian



Doric order - crepidoma on 3 steps, no base.

Height - 4-6 times the Dia Shaft diminshes - $3 / 4-2 / 3^{\text {rd }}$ of dia.

20 -shallow flutes - sharp arrises.

Capital -abacus- square block

## Echinus- circular base

Necking transition -3 raised rings

## Doric architecture - linear, geometrical. Play of light and shadow




Cornice - horizontal corona- all round Primary function clear line along the upper perimeter of bldg.
Architrave - principal beam

dia Britannioa, Inc.

Capital \& base

- 9 times Iower Dia. 24 flutes, fillets Capital volutes, rests on echinus circular in plan 21/2 times the dia.

Entablature 11/4 the ht. of column Frieze continous band sculpture
fendency to hate more coftumms, of a different form The capilal has a patir af tostules. fike rams horns, front and back


## The Ionic architrave

The frieze was a
contmucsus band of



## Corinthian order - slender, decorative, 10 times the dia. Capital - natural - acanthus




The monument of Lysikrates, named after the cboregos of the winning team of actors

## Corinthian Columns -

 used extenally. Commemmorate the victories -annual -choral, dramaticMonument Of Lyscriates Choregos -name of sponsor of winning team.

Top bronze trophy finial of acanthus


## Caryatidsstatues of draped <br> women instead of columns

## Priestesses

 from Caryae

## Temples-rectangular temples described- no. of

 columns - entrance or exterior columns.

In antis - columns in line with wall
Prostyle - front only
Amphi prostyle - front/back
Peripteral - allround

Henostyle- one column
Distyle-2 tetrastyle-4
Tristyle-3 Pentastyle-5
Hexastyle -6 Heptastyle-7

- Parts of a temple -


## Ent porch -

- Main cella -


## pronaos

Naos

- Rear chamber/treasury - Epinaos/ opisthodomos
- Stood on crepidoma - 3steps
- Altar stood outside opposite the East Front
- Not for internal worship
- Outward effect
- Large door - East
- Windows -rare
- Sloped roof - timber truss, tiles
- Sculpture - pediments





(M)

${ }^{929095020} 10$ $\frac{100}{30}$ ${ }_{30}$ 30 250 300FT
 (N) EMPLE;APOLLO: î DIDYMA *MILETUS Dipteral decastyle


## Parthenon,Athens

443 -432B.c. Ictinus, Calicrates - architects.- Pheidias sculptor


Octastyle, perpiteral

Steps 3nos. 2'4"wide,

Pronaos -60' $\times 14^{\prime}$
228'0"x 101'0"
Naos -
98'0" $\times 63^{\prime} 0^{\prime}$
buildings from the (th century BC onwards.
Temple Construction
This drawing is of an The cella, or inner anctum. boused the cult statue

The cult statue was of the god of godders to whom the templ was dethoated idealized Doric temple. showing how it was built and used.

The pediment, triangulat in

thape, offen held coulpture


## EVOLUTION OF DORIC ORDER


5.5 timés high
(A) HALF ELEVATION OF PARTHENON (B) HALF SECTION THRO' PORTICO


The Parthenon from the northeast.



Metopes -92 almost square.
4'5"sq

- 14 on each front 32 on each side Each - depict 2 figures in combat high relief.


Ionic frieze - 3'6" Ht , 524 Rft.
Figures represent gods, priests,elders Sacrifices, bearers,soldiers, Maidens,nobles.
Low relief beautifully composed


## East Pediment - Birth of Athena



## Optical Illusions - Entasis

Every aspect of the Parthenon was built on a 9:4 ratio to make the temple completely symmetrical. The sculptors also used visual trickaery to counteract the laws of
 perspective. The illustration below is exaggerated to show the techniques they employed.

The base of the temple is higher in the middle than at the calder

Entasis
it bulge in the middle) makes each column look straight.

Each column
leans inwards slightly

OPTICAL CORRECTIONS IN ARCHITECTURE


THE PARTHENON ATHENS: EAST FRONT C

(E)

 CURVES ON EITHER-
SIDE APPEAR WEER
APART IN THE CENTRE


Entasis


## Anathyrosis - Smooth contact between two blocks - centre -rough- fitted iron, bronze clamps.

Column drums metal dowels


Athena - Pallas Athena-Goddess of War- goddess of Wisdom.

Wears - Helmet,carries spear,shield
Aegis - goatskin breastplate,fringed with snakes.

Athena - shown -olive branch symbol - peace and plenty

Ivory and Gold statue - 40'0" high
Chryselephantine
Panthenaea -birthday - 4years


## - Propylea

- Western edge
- 5 gates,doric
- Middle gate sacrificial animals, unpaved, other 2- pavedpeople

GREEK ARCHITECTURE


(E)

SCOTIA
F)
OVOLO
OGETONCNE
VICHMENT


## Greek Mouldings



Town Planning - Hippodomas -
divided city - 3 zones -

1. Public bldgs
2. Sacred use - citadel -acropolis - temple
3. Private homes - outside the fortified walls
4. Public Buildings - 2 types
5. 1 Portico or Stoa - hall open - one side. By a colonade
6. 2. Covered room or Hypostyle- internal columns

Civic Architecture - Prytaneum,Bouleuterion,Assembly Hall,
Agora - town square- centre - political, business, social life -open air public space
Stoa - roofed promenade, monumental appeareance - 150M length



Prytaneum - inner council - Banqueting hall

Bouleuterion - Advisory committee

Assembly Hall - general USe

Odeion - Musicals
Stadium - foot raceOlympia - 50,000 spectators

Hippodrome - Horse, chariot racing

Telesterion - hall of mysteries, magic


124


125

Bouleuterion-
 council houseRectangular bldgs, banked seatings facing inwards on 3 sides, arranged in semicircle.

Seat -1200

House of Commons-
London

Theatre - built on the slopes of hill
Four parts -

1. a segmental arrangement of tiered seats Auditorium - cavea -broad concentric belts diazomata.
2. Circular orchestra -used by chorus -10-12' below-enclosed by portico, balustraded terrace.
3. Proscenium infront of
4. The skene -tangential to the orchestra -a backing -simple stage décor (dressing actors, waiting area.

whose pillare have

Foundations of the tholos building in the Asklepieion

Way which led north from the gateway to the coastal town of ancient Epidaurus. At the

## Reconstruction of the Theatre

surrounding the central orchestra, the north-facing carea (cavity) of the theatre is $11+\mathrm{m}(374 \mathrm{ft})$ across and is divided into blocks by 36 staircases

The top 21 tiers were added in the Ronsan period

A paved depression
2 m ( 6 ft ) wide, collected rainwater.

Diazoma
(walkway)

The orchestra 20 m $(66 \mathrm{ft})$ in diameter, is the stage on which the actors performed.

The lower 34 rows
are original, dating to the 4 th century $B C$.


ting
se painting
reak from res. The main Athens. Which the early 6 th s its high-quality es to every part
thenian potters still be visited of art in their own eest we can get to ancient Greeks Is of their houses Is of their houses.
suld break during suld break during
which they were which they were
number still surisembled pieces. aked woman holding a kot


This 6tb-century BC blackfigure vase shous pots betng lised the ath crenvalay siftuation The ixases clepticted are hydriai It was the womens task to fill them with, water from springs orpublic formterms.

Eye cup ye cups
weregizen
an almov
magical pouker by the poanted eves. 7 the
pointed base suggests
that they were passed
around durine feasting
around duringe feasting.
The rhyton. such as This kylix is heing
beld by one handle beld by one handle
by another woman fester, ready to fick out the dregs at at kostabos target
thes one in the shape
of a ram shead. waca a drinkinge tesoel for wateredsymposion around the rim molfocates when it wowld have been used thos uas utum $B C$ "ace
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eral scomes che Achilles coman a grate afgrate 10 N of mosely of mostly ccasions for re of e exterior
ury BC fons of men sady to flick


## VASE SHAPES

Almost all Greek vases were made to be used: their shapes are closely related to their intended uses. Athentan potters had about 20 different forms to choose from. Below are some of the most commonly made shapes and their uses.

0The amphora was a two baralled ressel used to store
wine olize oit and foochs tre served in liguid Iried foosts

This krater with curled
bandles of "volutes" is a wide-mouthed wase in which
the Greeker
with their wir
before drinking

## (ban <br> The hydria uza - used to cam water from Of the three bandles, one was pouring, tuo borizontat for lifting.

The lekythos could $3 \mathrm{~cm}(1 \mathrm{im})$ to nearly $3 \mathrm{~cm}(1 \mathrm{~m})$ to nearly
$1 \mathrm{~m}(39 \mathrm{~m})$ It was wed to bold oil both fimeram giff to the dosad The oinochoe the standard wine jug, had a
round or trefotl matio for pouring. and fust one banclle

The kylix a two-bandled drinking cup, was one sorape that
terior decoration
terior decoration

