**EVOLUTION TRENDS SUMMARY TABLE**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Scientific Name** | ***Paranthropus robustus*** | ***Australopithecus afarensis*** | ***Australopithecus africanus*** | ***Homo habilis*** | ***Homo erectus*** | ***Homo neanderthalensis*** | ***Homo sapiens*** |
| **Common Name** |  | Australopithecines | Australopithecines | Handy man |  | Neanderthal man | Cro-Magnon  Modern man |
| **Time of existence** |  | 3.9 and 2.8 million years ago | 3.2 to 2 million years ago |  |  | Between 28 000 and 300 000 years ago | 300 000 years ago to present |
| **Location** |  | East Africa | Southern Africa |  |  | Europe and the Middle East | Worldwide |
| **Body type** |  |  |  |  |  | Shorter, more robust and muscular than modern humans  Wider shoulders | Short, slender trunks and long limbs |
| **Height Female** |  | 105-110 cm | 110cm |  |  | 156cm | 160cm |
| **Height Male** |  | 150cm | 135cm |  |  | 168cm | 175cm |
| **Brain /cranial capacity** | 542 cm3 | 430 cm3 | 457 cm3 | 590 cm3 | 1004 cm3 | 1485 cm3 | 1350 cm3 |
|  | | | | | | |
| **Teeth/jaw /mandible** |  | Prognathic jaw  Small canine teeth (larger than A. africanus)  Diastema present | Prognathic jaw  Shorter and smaller incisors and canines  Large molar and premolar  No diastema |  |  | Larger, more robust prognathic jaw  Larger teeth  Lacking a chin | Short jaw  Small teeth  Bony chin |
|  |  |  |  |  |  |  |
| **Skull** |  |  |  |  |  |  |  |
|  | Low, sloping forehead  Prominent brow ridges  Short sagittal crest in males | Slightly arched forehead  Smaller brow ridge |  |  | Receding forehead, elongated skull  Thick brow ridges  Long/low brain case  Occipital bun at the back of the skull  Flared zygomatic arches  Depression at back of skull for neck muscle attachment | Short base and high brain case  Foramen magnum at base of skull and towards back |
| **Pelvis** |  | Short and wide pelvis | Short and wide pelvis, less rounded than in modern humans |  |  | Wider pelvis |  |
|  |  |  |  |  |  |  |
| **Torso** |  |  |  |  |  |  | Short, slender trunk |
|  |  |  |  |  |  |  |
| **Ribcage** |  |  |  |  |  | Barrel-shaped | Less barrel-shaped |
|  |  |  |  |  |  |  |
| **Upper limbs** |  | Long arms, although shorter than the legs  Long curved fingers | Long arms, although shorter than the legs  Some curvature of the finger bones |  |  | Thick limbs with large joints  Shorter | Short arms compared with the legs  Straight fingers |
|  |  |  |  |  |  |  |
| **Lower limbs** |  | Big toe not opposable  Long curved toes  Features for bipedalism | Big toe not opposable  Some curvature of the toe bones  Features for bipedalism |  |  | Thick limbs with large joints  Shorter | Long legs compared with the arms  Straight toes |
|  |  |  |  |  |  |  |
| **Skeleton / Spine** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Cultural period** |  | Oldowan  2.6 – 1.7 million | Oldowan  2.6 – 1.7 million | Oldowan  2.6 – 1.7 million | Acheulian  1.7 million – 200,000 | Mousterian – manufacture of flake tools  200,000-40,000 | Aurignacian – manufacture of blade tools  43.000–26,000  Solutrean – pressure flaking to retouch blades  22,,000-19000  Magdalenian – predominance of bone and antler tools and artwork  18,000-12,000 |
| **Tools** |  |  |  | Oldowan | Acheulian |  | Aurignacian |
|  |  |  |  |  |  |  |
| Solutrean |
|  |
| Magdalenian |
|  |
| **Locomotion** |  |  |  |  |  |  | Bipedalism |
| **Adaptations for stance** |  |  |  |  |  |  | Upright stance |
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