

# Anth 215 PRIMATE MODELS



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## PRIMATE MODELS

- Adaptations of Group Living



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## Tool Use/Tool Manufacture

-Tool: an object which is not part of the biological animal...



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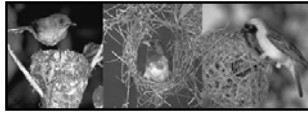
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## Tool Use in Animals



Beaver's Dam



Birds' Nests



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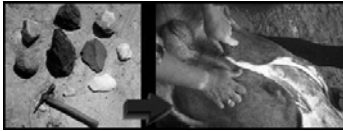
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## Human Tool Use

- Humans ... can take sticks and use them to make shelter, defend themselves, hunt, dig up roots, draw pictures in the sand etc...



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## Tool Using in Pongids



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## Chimp/Bonobo Tool Using



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## Human/Chimp Tool Making

- Tools essential for human survival
- Humans save tools
- Humans use tools to make tools
- Humans accumulate knowledge of tool making



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## Context of Tool Using/Making in non-human Primates

- food/water
- antagonistic display
- food getting/searching/sharing



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## Threat Behavior

- Brandishing stick



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## Communication



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## Threat Behavior

- e.g., baboon eye lid flashing, canine display)



Agonistic displays by a human and a male mandrill

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## Allogrooming



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## Human Language

- Symbolic form of communication
- Openness
- Discreteness
- Arbitrary assignment of sound to meaning
- Displacement
- Learned



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## Ape and American Sign Language (ASL)

- Washoe (Gardners)
- Clever Hans phenomenon
- Kanzi (bonobo)
- Savage-Rumbaugh experiments



Chimpanzee signing 'hurt'



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## What it Means to be a Primate

- Visual sense
- Movement
- Reproduction
- Intelligence
- Social organization



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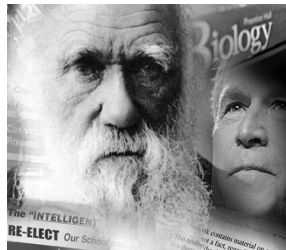
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## The Human Primate

- Special Senses
- Habitual biped
- Reproductive Strategy
- Intelligence



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## GENERALIZATIONS

- Social way of life**
- Expanded territories**
- Loss of the estrous cycle/ division of labor**
- Human tool using behavior**
- Human culture**
- Language**



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