

MORE GREAT QUESTIONS IN SCIENCE

What are  
**ANIMALS**  
thinking?

1 x 53 **HD**



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# What are ANIMALS thinking?

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Have you ever wondered what is going on inside your pet's mind? Dogs, pigeons, and bees interpret the world using senses and abilities that are sometimes truly amazing. *NOVA scienceNow* explores how a beehive resembles a human brain and whether your dog is really feeling guilty when it gives you that famous "guilty look."

### ***The Moral Lives of Animals***

Do dogs feel guilty? Can rats feel empathy? We project very complex—and very human—moral and emotional lives onto our animal companions. Scientists studying animal cognition are finally revealing the machinery of animals' moral compasses.

### ***Hive Genius***

What do bees, fish, and slime molds have in common with the human brain? Members of these communities are not very smart on their own, but when they come together they are capable of remarkable things. Recent discoveries show that the pattern of communication within a giant bee colony when they are trying to choose a new home is amazingly similar to neural networks in the human brain. *NOVA scienceNow* investigates the inner workings and surprising potency of the hive mind.

### ***GPS Pigeons***

We know that homing pigeons can find their way back to their lofts over hundreds of miles of unfamiliar terrain. What we don't know is how they do it. *NOVA scienceNow* races against some of the best navigators in the animal kingdom, while exploring competing theories on how pigeons see, hear, and feel the landscape below them.

### ***Profile: Laurie Santos***

On the island of Cayo Santiago, off the coast of Puerto Rico, Yale scientist Laurie Santos is studying a unique community of rhesus macaques, also called rhesus monkeys. More than 900 monkeys freely roam the island, and their society—complete with insiders and outsiders, Queen Bees and wannabes—is eerily similar to our human society. Can Santos find the evolutionary roots of human foibles, from money troubles to prejudice, on "Monkey Island"?

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CREDITS

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Profile of Laurie Santos

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