**The Premack Question:**Is Language the Key to Human Intelligence?

i.e., what can we accomplish cognitively thanks to HL?

1. HL is multifunctional/ has an enormous range of functions unrelated to biological needs;

2. HL is flexible and offers endless solutions in expressing thoughts through utterances;

3. We, “speakers” **imagine > believe > express/project > think > share > construct models** and plans (as Einstein did w. electro-magnetic waves or Galileo Galilei with the model of the universe)

          think and construct RECURSIVELY

          imitate by observing

teach, which involves observing & correcting

          vs. animals are specialized and imprisoned in their system by adaptation

4. What we perceive and think about complements each other, i.e. the ways we are intelligent are integrated

5. The **grammar** that supports our thinking has a structure to it and includes recursivity

6. Speakers voluntarily control vocalizations -to  face and hands' support HL is traceable through brain

7. When we imitate, we first form a mental representation of what's to be imitated

8. We teach through imitation, observation and correction

9. GRAMMAR - enables storing, retrieving and composing while using WORDS as metaphores

10. THEORY of MIND teaches that we all have a MIND and thus INTEND, BELIEVE, DESIRE, PRETEND, IMPLY, ENTAIL, KNOW, PRESUPPOSE and EXPECT

THEORY of MIND is about understanding mental states of humans by the very virtue of us having HUMAN MIND that includes our intelligence, engined by language