

# **COMP 20090: Introduction to Cognitive Science.**

## **Study Sheet: Learning and Development**

What do the terms ‘altricial’ and ‘precocial’ mean? Be ready to give examples of each.

How is the environment of an animal relevant to the set of skills it needs at birth? Have examples ready.

How do altricial skills promote adaptivity and flexibility in an animal?

The pre-frontal cortex in humans develops when? What implications does this have for the developing skill set of a person?

Contrast Piaget and Vygotsky

What are the 4 developmental stages suggested by Piaget?

What is the Zone of Proximal Development? Give examples to illustrate.

What is Vygotsky’s account of your “inner voice”?

Why are twin studies so common in the developmental literature?

What can we learn by comparing fraternal and identical twins?

What is the Human Speechome project all about? Why is it important?