

Jerusalem Science Contest
Syllabus
2019-2020

Text: Fundamentals of Human Neuropsychology, 6th Edition
By Kolb and Whishaw

Lecture 1, Intro Class, Reading assignment:

Chapter 1:

Note: LD is a 21 year old with a traumatic brain injury (TBI) presented at the beginning of Chapter 1 as a case study. This is optional reading.

The Brain Hypothesis pp. 2-5 (Until: “It makes my blood boil.”)

Localization of Function pp. 8-9 (Until: “and can thus interact.”)

Localization & Lateralization of Language pp. 10-15

Identifying the Neuron pp. 20-21

Relating Electrical Activity ... pp. 21-22

Connections Between Neurons ... pp. 22-23

Brain Imaging pp. 26-27

Chapter 6:

Portrait: Angelo Mosso p. 132

Electroencephalographic Recording pp. 138-141

Computerized Tomography: pp. 147-148

Dynamic Brain Imaging: pp. 148-155, 157

Brain Imaging Techniques Compared pp. 159-160