Exercise, diet, and sleep

improve brain skills (and health)

Note: I am not an expert in this area, and the references are given mostly for concreteness and to have a starting point.

Exercise





"Regular exercise changes the brain to improve memory, thinking skills"

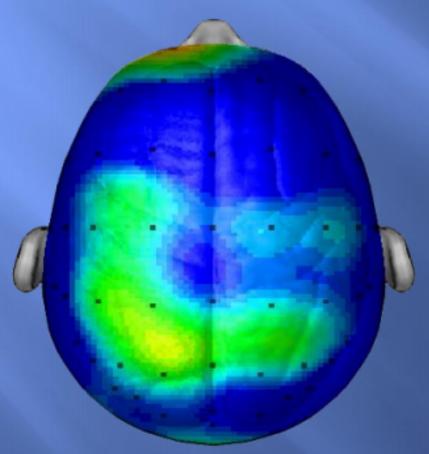
"Aerobic Exercise Is 'Miracle-Gro' for Your Brain"

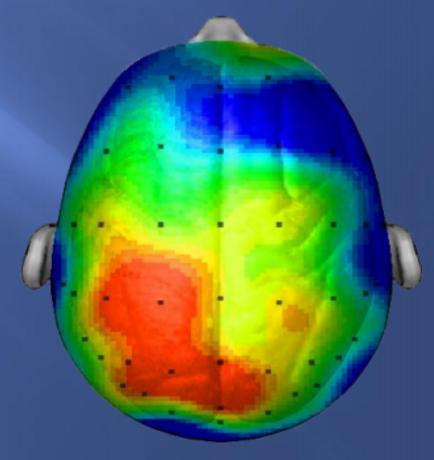
The Influence of Exercise on Cognitive Abilities Compr Physiol. 2013 Jan; 3(1): 403–428

Average composite of 20 student brains taking the same test

BRAIN AFTER SITTING QUIETLY

BRAIN AFTER 20 MINUTE WALK





Research/scan compliments of Dr. Chuck Hillman University of Illinois

Exercise, more

Spark: The Revolutionary the Brain

by John J. Ratey.

Deskcycles
"A new tool in a Paramus
Elementary school is
promoting physical activity
while learning."



New Science of Exercise and

Learning is optimal immediately after aerobic exercise

Phisycal activity: Culture, woven into routine, not special Many tasks can be done while moving

Diet

Brain foods: the effects of nutrients on brain function

Nat Rev Neurosci. 2008 July; 9(7): 568-578. doi:10.1038/nrn2421

School Lunch Quality and Academic Performance

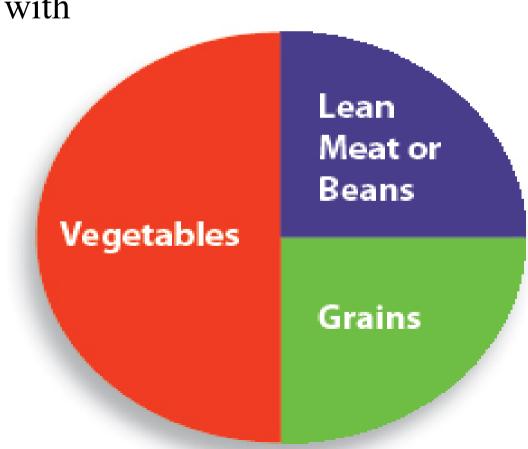
NBER Working Paper No. 23218, March 2017

"Students at schools that contract with

a healthy school lunch vendor score higher on CA state

achievement tests,"

You plate should look like:



Sleep

Sleep Drives Metabolite Clearance from the Adult Brain Science 18 Oct 2013

"Sleep allows brain to wash out junk"

[...] in addition to its well-described effects on memory consolidation.