

Brain-Based Learning Strategies

*Moderate Effort
Maximum Results*



Acquiring Information

- ▲ *Visual*
 - ▲ *Pictures*
 - ▲ *Diagrams*
 - ▲ *Demonstrations*
 - ▲ *Videos*
 - ▲ *Written Instructions*

Acquiring Information

- ▲ *Auditory*
 - ▲ *Listening*
 - ▲ *Discussing*
 - ▲ *Debating*
 - ▲ *Verbal Instructions*

Acquiring Information

- ▲ *Kinesthetic*
 - ▲ *Physical Activities*
 - ▲ *Direct Involvement*
 - ▲ *Practice*
 - ▲ *Hands-On Instructions*

Understanding Preference

- ▲ *Almost everyone uses all three types to some degree, with the ability to expand ability in less preferred areas.*
- ▲ *Grades 5-12 breakdown:*
 - ▲ *Visual 29%*
 - ▲ *Auditory 34%*
 - ▲ *Kinesthetic 37%*

Understanding Preference

- ▲ *Visual preference becomes dominant in adults in "Western" or "Industrialized" nations.*
- ▲ *Only 20% of the "population" is so entrenched that it cannot effectively learn material not presented in it's preferred style.*

Multiple Intelligences

- ▲ *Interpersonal*
- ▲ *Logical*
- ▲ *Visual*
- ▲ *Kinesthetic*
- ▲ *Intrapersonal*
- ▲ *Musical*
- ▲ *Naturalist*
- ▲ *Linguistic*

Interpersonal

- ▲ *Has developed an understanding of relationships and human interactions*
- ▲ *Empathetic, able to mediate, resolve conflict and reach compromise*
- ▲ *Enhanced learning through person-to-person interactions*

Logical

- ▲ *Has developed an understanding of concrete and abstract patterns*
- ▲ *Systematic, organized, able to solve logic puzzles and see relationships*
- ▲ *Enhanced learning through experimentation and analyzing systems*

Visual

- ▲ *Has developed an understanding of images and pictures*
- ▲ *Aware of objects, shapes, colors and textures; sees what "goes together"*
- ▲ *Enhanced learning through visualization, imagining, pretending and visualizing*

Kinesthetic

- ▲ *Has developed an understanding of body awareness and non-verbal communication*
- ▲ *Demonstrative, able to mimic actions, and physically involved*
- ▲ *Enhanced learning through doing, role-playing and active involvement*

Intrapersonal

- ▲ *Has developed an understanding of the meaning, purpose and significance of things*
- ▲ *Self-reflective, self-aware and self-confident, able to produce well thought-out opinions*
- ▲ *Enhanced learning through reflective thought*

Musical

- ▲ *Has developed an understanding of sound and rhythmic vibrations*
- ▲ *Sensitive to sounds, able to repeat melodies*
- ▲ *Enhanced learning through connections to music or sound patterns*

Naturalist

- ▲ *Has developed an understanding of our relationships with the natural environment*
- ▲ *Understands natural order, recognizes differences in natural changes*
- ▲ *Enhanced learning through comparisons to natural phenomenon*

Linguistic

- ▲ *Has developed an understanding of knowledge translated by reading, writing and speaking*
- ▲ *Book-smart, understands the meaning of words, thinks in words*
- ▲ *Enhanced learning through reading, writing, speaking*

Multiple Intelligences

- ▲ *Interpersonal*
- ▲ *Visual*
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- ▲ *Musical*
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- ▲ *Logical*
- ▲ *Naturalist*

Additional Resources

- ▲ *On-Line Learning Style Tests*
 - ▲ <http://www.metamath.com/lsweb/dvclearn.htm>
 - ▲ <http://www.howtolearn.com/personal.html> (a commercial site with free info and testing)
 - ▲ http://www.ldpride.net/learning_style.html

Additional Resources

- ▲ *Multiple Intelligence Sites*
 - ▲ <http://www.ldrc.ca/projects/miinventory/mitest.html>
 - ▲ <http://www.mitest.com/o7inte-1.htm>