

Whole Brain Learning

The two hemispheres of the brain are stimulated either individually or simultaneously. It is the right hemisphere of the brain which controls movement on the left side of the body and the left hemisphere of the brain that controls movement on the right side of the body. Knowledge of brain hemisphere specialization is useful when designing learning activities.

Left Hemisphere

Logical

objective, analytical, literal, verbal, linear, intellectual

Teaching Strategies:

lecture, discussion, quiz

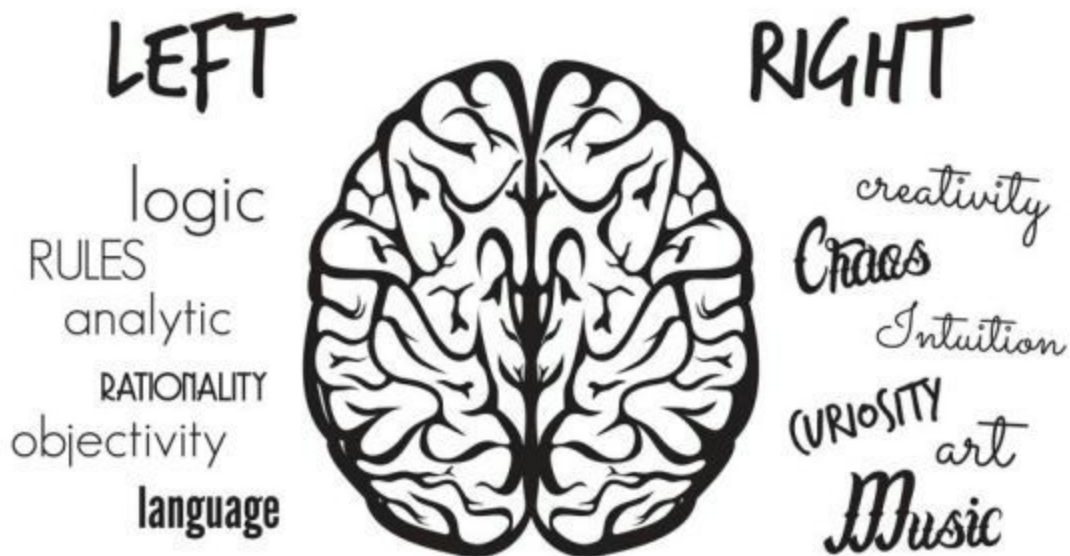
Right Hemisphere

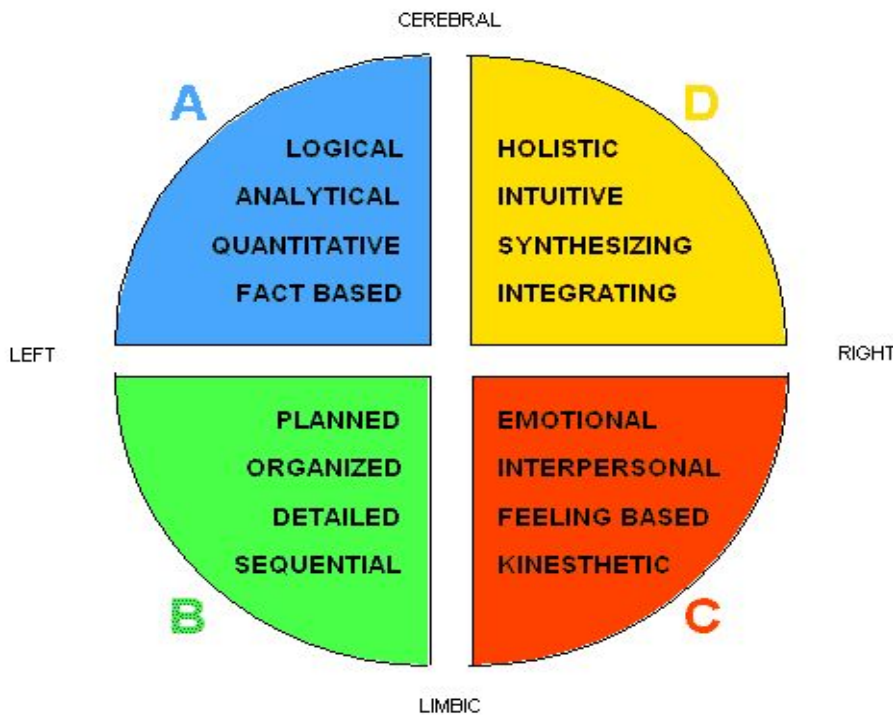
Intuitive

emotional, spiritual, creative visual, imaginative, symbolic

Teaching Strategies:

visualization, music, drawing





<p>A</p> <ul style="list-style-type: none"> • Lectures, facts • Databases, spreadsheets • Research and research findings • Higher order reasoning • Critical thinking • Learning "laboratories" (testing) • Reference books, • Readings • Case studies • Use of experts • Applied logic • Metacognition • Theories • Technical approaches • Simulations • Projects 	<p>D</p> <ul style="list-style-type: none"> • Brainstorming & Discovery learning • Metaphors • Active imagination, creativity • Learning "laboratories" (exploring) • Illustrations, pictures, photos • Simulations • Mind mapping & storyboarding • Experiential workshops & activities • Synthesis • Holistic exercises • Visualization, mental pictures • Animation, flash • Games • Shadowing, site visits
<p>Simulations, Projects, Manager as Developer, Learning on the Job</p>	
<p>B</p> <ul style="list-style-type: none"> • Outlines, organization, summaries • Pre & post tests, quizzes • Learning laboratories (practice) • Practice • Checklists, timelines • Sequenced learning • Self-paced learning • Policies, procedures • Who, what, why, when, where • Workbooks & exercises with steps • Structured problem solving • Clear examples, case studies • References, dictionaries • Tutoring, Tutorials, FAQs 	<p>C</p> <ul style="list-style-type: none"> • Cooperative learning • Small group, team learning projects • Group discussion • Role playing • Drama, body language • Learning "laboratories" (interacting) • Sharing personal experiences • Listening and sharing ideas • Storytelling, journaling • Auditory, musical & rhythmic • Physical, kinesthetic activities • Interviews • Community of practice • Mentoring, apprenticeships, coaching