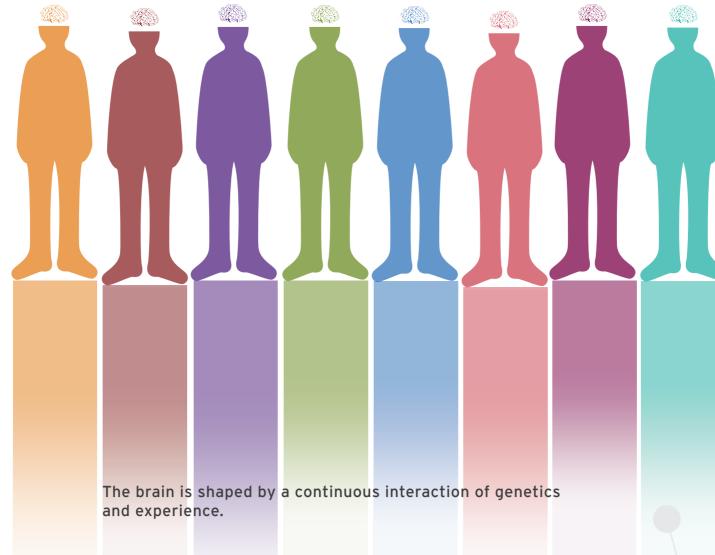
Brainy Approaches to Learning

Each student's brain is unique



As a result, each student's brain is organized in a unique way. Each

student has a complex and dynamic profile of strengths and

limitations, and a student's ability in one area does not predict his or her ability in another area.

and each student's brain

The brain is highly adaptive,

continually changes

as he/she learns

physical architecture of the brain.

Learning experiences shape the

Learning experiences are translated into electrical and chemical signals, which cascade among neurons in many areas of the brain. Gradually, these signals modify connections among neurons in certain areas of the brain and those areas are reorganized.

glial cells.

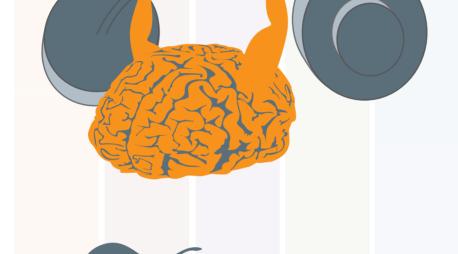
The brain is made up of networks of interconnecting nerve cells, called neurons, and supportive

The brain's adaptability means that each student's abilities are

continuously developing.

when experiences are active, not passive

Learning is most likely to occur

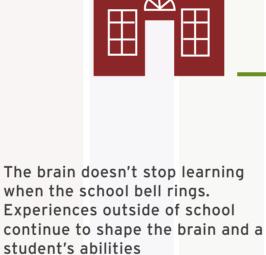


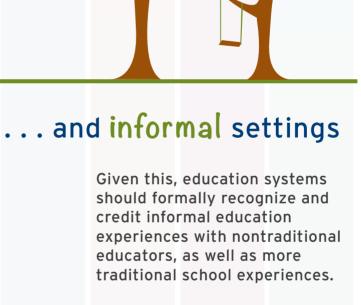
learning relevant information. Passive exposure to information, on the other hand, does not necessarily lead to learning. In educational terms, this suggests that "seat time" in a classroom will not necessarily lead to learning.

The changes in the brain's neuronal connections that underlie learning occur when students are actively engaged in

Learning is happening all the time,

both in formal...



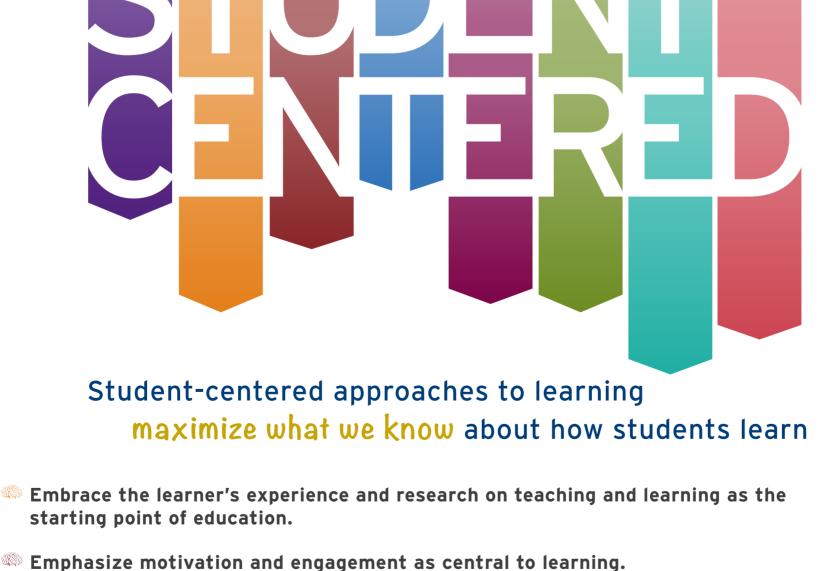


Each individual learns most Traditional instruction, set pacing effectively through experiences calendars, and standardized tailored to his or her needs and curriculum make it extremely difficult to accommodate for interests. individual differences.

different needs and interests of students

Students can follow different learning pathways to master the same core skills.

Instructional strategies should meet the



Harness the full range of learning experiences at all times of the day, week, and year.

Expand and reshape the role of the educator. Determine progression based upon mastery.

Learn more about Student-centered Approaches to Learning

www.studentsatthecenter.org



Students at the Center synthesizes and adapts for practice current research on key components of student-centered approaches to