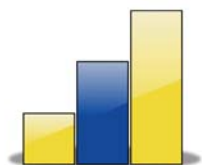


Best Practices for Mathematics Learning

At Symphony Learning, we have analyzed the scientific research and identified twelve of the best practices for teaching and learning mathematics. We designed the *Symphony Math*[®] software program to provide students a rich mathematics learning environment based upon these best practices.

1. **Streamline** the curriculum to emphasize the big ideas of mathematics.
2. **Individualize** learning experiences to each student's developmental level.
3. **Adapt** to the learning style of each student.
4. **Bridge** from the concrete to the abstract.
5. **Provide** concrete feedback and levels of scaffolding to provoke thinking.
6. **Develop** knowledge of concepts AND math facts.
7. **Promote** cognitive flexibility and problem solving.
8. **Draw** on intrinsically motivating aspects of mathematics to inspire learning.
9. **Teach** for mastery.
10. **Introduce** concepts at the simple level and build to the complex level.
11. **Help** students make connections between concepts.
12. **Guide** instruction with formative assessment.



SYMPHONY
Learning[®]

Problem Solving for Students. Solving Problems for Educators.[®]