Workshop Description:

**Linking of the Common Core Mathematics Standards to Afterschool Programming**

**Content:**

**Grade Levels: PreK-8 (including Algebra 1)**

All workshops use as the framework the Massachusetts Common Core Mathematics Standards. Embedded in the Common Core are the standards for mathematical practice which encompass problem solving, reasoning abstractly and concretely, modeling, as well as using appropriate tools to solve actual problems.

With the institution of the standards and the principles of mathematical practice, mathematics instruction is evolving; thereby having a direct impact on out of school providers and their supplementary math programs such as homework help. Out of school providers are at a loss when students present mathematics strategies that are unfamiliar. This series of workshops concentrates on the mathematical strategies used during the school day in order to better prepare OOST providers with the knowledge to work successfully with all learners.

**Sample session topics:**

**Early childhood** math skills such as principles of counting and cardinality, money, and geometry

**Grade K-8 Math** topics such as: Whole Numbers and operations (addition, multiplication, subtraction and division), measurement and data, geometry, operations in algebraic thinking, math literacy, fractions, decimals, integers, equations, ratios, and probability

**Manipulatives:** How to choose and use appropriate manipulatives to reinforce math skills. If needed, instruction on manipulatives already available at afterschool sites.

**Timeframe:** Sessions are always individualized to meet the needs of the organizations involved.
Suggestions: 2-2.5 hour sessions are preferred but can be adjusted to suit time availability of the organization. A series of workshops is best however, individual sessions can be designed.