

TICK TOCK

The nationwide movement for high standards has not only determined what students should learn, but also has mandated that students demonstrate what they know. TICK TOCK is a standards-based program addressing National Mathematics Standards. The math content and skills taught in TICK TOCK are targets of most state frameworks for estimation and telling time. TICK TOCK provides the opportunity for performance assessment when students demonstrate how to tell time on analog and digital clocks, how to estimate the passage of time, and how to keep and record time. Applied Learning standards are addressed when students work together in Tick Tock Twosomes to complete activities.

National Standards for School Mathematics

Number and Operations Standard

- Understand numbers, ways of representing numbers, relationships among numbers, and number systems.
- Compute fluently and make reasonable estimates.

Algebra Standard

- Understand patterns, relations, and functions.
- Analyze change in various contexts.

Measurement Standard

- Understand measurable attributes of objects and the units, systems, and processes of measurement.
- Apply appropriate techniques, tools, and formulas to determine measurements.

Data Analysis and Probability Standard

- Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- Develop and evaluate influences and predictions that are based on data.

Representation Standard

- Create and use representations to organize, record, and communicate mathematical ideas.
- Use representations to model and interpret physical, social, and mathematical phenomena.

California Applied Learning Standards

Standard 3. Students will understand how to solve problems through teaching and learning. Students will develop and implement a teaching-learning program.

Standard 6. Students will understand how to apply communication skills and techniques. Students will demonstrate ability to communicate orally and in writing.

Standard 8. Students will understand the importance of teamwork. Students will work on teams to achieve project objectives.