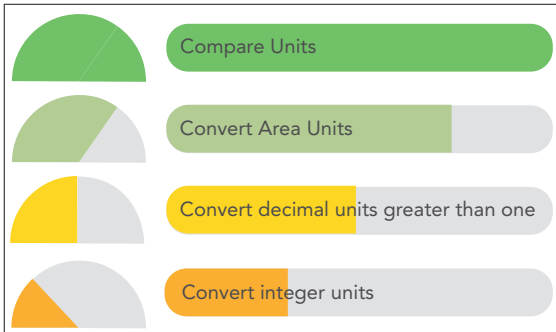


# Carnegie Learning<sup>®</sup> Cognitive Tutor Software

Provide All Your Students with an Individualized Path to Learning

## Skillometer



## How Our Software Differentiates Instruction

- Assesses and displays each student's level of mathematical understanding
- Assigns individualized problems to strengthen skill deficiencies
- Allows students to work at their own pace

## Key Features of Cognitive Tutor<sup>®</sup>

### Engage and Motivate

- Earn badges to reward effort and achievement
- Customize user profile
- Experience math in real-world context
- Activate text-to-speech for ELL students

### Promote Deep Conceptual Understanding

- Multiple representations
- On-demand hints and feedback
- Interactive lessons with Worked Examples
- RTI Modules
- Glossary in English and Spanish
- Fluency Challenges

### Powerful, Ongoing Formative Assessment

- Skillometer<sup>™</sup> real-time feedback for both students and teachers to identify each student's mastery level of individual skills
- 20+ Data Reports available to assess and drive instruction for each student.

## Dashboard

The dashboard features a navigation bar with options: HOME, MESSAGES, CALENDAR, BADGES, MATH WONDERS, and PROFILES. Below this, there are sections for 'ALL', 'TEACHER', 'BRAIN FACT', and 'SUPPORT'. A featured article titled 'Change the Structure of Your Brain by Thinking!' is displayed, dated Wed Apr 24 2013. The article discusses how thinking positively and focusing on success can lead to better outcomes. A 'Pumpkin Pie' notification is also visible at the bottom.

## On-Demand Hints

The interface shows a lesson titled 'Polynomial Characteristics Test'. The problem asks to identify characteristics for a graphed function. The user has entered the y-intercept as (0, -13) and the x-intercepts as (-2, 0) and (4, 0). An on-demand hint window is open, defining a vertex as a point that is either a maximum or minimum. The hint asks the user to determine if the function has any minimum or maximum points in the graph.

## Main Benefits of Cognitive Tutor (Grades 9–12)

### Multiple Representations

- Scenarios appeal to students of all abilities and learning styles

### Interactive Examples

- On screen, step-by-step instruction for each unit
- Students can see and engage in examples that promote conceptual understanding

### Flexible Sequencing

- Custom curriculum is available to meet special needs of districts and schools
- Units can be re-ordered, added, deleted, and new sequences created

### Automated Assessment

- Pre- and post-tests that automatically tie to custom-sequenced curricula
- Pre-test can be diagnostic, in which case results are used to set pacing

### Just-in-Time Feedback

- Hints are contextual and oriented towards helping the student to solve key steps
- Immediate feedback enables students to self-correct and leads to more effective learning
- The program recognizes the most common errors and responds appropriately allowing students to remain “on task”

### Progress Monitoring Through Skillometer

- Differentiated instruction for individual students in a way that is unique because multiple skills are assessed at one time
- The Skillometer ensures that each student receives a sufficient number of math problems to achieve mastery before progressing to the next topic in the curriculum

For your virtual sample access go to:  
[www.carnegielearning.com/vsk-login](http://www.carnegielearning.com/vsk-login)

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## Contact Your Team for More Information

Visit us online at [www.carnegielearning.com](http://www.carnegielearning.com) or contact your state representative:

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