

# *Learning Logic (L<sup>2</sup>)*

## COMMENTS

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### SELECTED L<sup>2</sup> TEACHER AND STUDENT COMMENTS:

**NOTE:** *All comments are taken from actual reports from Learning Logic teachers and students.*

“ Thanks for asking about my evening class. I have had quite a few students finish either the semester they needed or the entire course. Some of these are students who would NEVER have been allowed to take Algebra I in ‘Day’ school and they have finished successfully! For instance, I have a girl that I taught in the daytime that failed Pre-algebra twice before she dropped out. She has been in the lab since school started in August and she is about to finish with her Algebra credit. Another student I taught in ‘Day’ school (that had a really bad attitude) finished with a ‘B’ in February and wants to go on to Algebra II and Geometry so he can get his College Prep Seal. He also had failed Pre-algebra twice in the daytime. Not to mention his attitude miraculously changed, to where he was very pleasant with me and proud of himself. ”

*... from a teacher in evening school*

“ Working with the computer lab was a great experience. I have not been in a classroom environment in over 20 years and going into the math lab was frightening at first, then once I settled in, it was great. I was able to work at my own pace, and if I had a problem, the computer was able to really explain the problem. Because of the computer math lab, I was able to advance into a higher math and I have a real good feel for what I’m doing. ”

*... from an adult community college student*

“ The 87 very lucky students under my supervision will have the good fortune of being able to work in the Learning Logic lab. It is, as it has always been here, a wonderful experience for every student. Their motivation is high and they will do whatever is required to be allowed to work on the computers. ”

*... from a community college teacher*

“ I have made the reluctant decision to let this be my last year teaching. If only I had a full day in the Learning Logic lab, I would not have to make this decision. The after-hours workload for traditional delivery is still about 2 hours prep for each hour of class time. ”

*... from a middle school teacher*

“ If it had not been for this program, I really don’t know where I would be or what I would do with myself. So many of my friends are failing algebra, but not me and it’s all because of this program. ”

*... from a student*

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“ I’ve learned more about algebra from a computer in half a year than from a book in a whole year. ”

*... from a student*

“ It helps you to understand the problems better and allows you to go at your own pace. I think this lab is going to help the students pass math and help them outside of school... ”

*... from a student*

“ I’ve always had trouble understanding math; it’s always taken a special person to be able to explain it to me, unfortunately, they’re hard to find. However, now I have no trouble and am ahead of most of my class. This was an excellent solution to my problem. ”

*... from a student*

“ Attendance in the lab is approximately 5% higher than average class attendance for the rest of the building. ”

*... from a teacher*

“ Failure rate for the first quarter was 28% which is well below the failure rate for the rest of the math department. ”

*... from a teacher*

“ Students have demonstrated less off-task behavior and our course drop-out rate is at zero to date. ”

*... from a Principal*

“ I see several significant advantages over the traditional approach. One, student interest is heightened. Two, the machine handles the paperwork allowing me to teach and consult. Three, students are freed to move at their own pace, either forward or in review. ”

*... from a teacher*

“ Learning Logic program allows me to concentrate on the slower students who could possibly be failing at this point in the year if it were not for L<sup>2</sup>. While lecturing to a class of 20-30 students, I am not capable of seeing a “light bulb go off” on each student’s face. But with Learning Logic, this is not only possible, it happens everyday in every class! ”

*... from a teacher*

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“ The success of the program requires a combination of factors: The school administration must believe in it; the teacher must be knowledgeable, confident, and enthusiastic; and the students must be intellectually ready to handle the challenges. ”

*... from a teacher*

“ The teacher is able to place students in previous or future topics for remediation or enrichment and monitor each student’s progress from his/her own terminal. The student’s feedback about the class is for the most part positive and enthusiastic and they enjoy working on the computer, as opposed to listening to a traditional lecture. ”

*... from a teacher*

“ As a teacher of Learning Logic, I have the opportunity to work with each of my students on a one-on-one basis, which is a plus. My students find the class challenging and different.

*... from a teacher*

“ Learning Logic has been designed to provide students with individualize instruction in mathematics. The advanced students are given an opportunity to explore more topics, while the students of average ability are given additional practice that is randomly generated through the Learning Logic software.

*... from a teacher*

“ The Students:

1. have longer periods on individual problems
2. are more determined to get the problem answered so that they can move on to other topics
3. are able to help their peers
4. have to use more mental computation
5. have greater self-satisfaction when a problem or mastery set is answered correctly with differences (slow/fast)
6. can be spotted more readily by the teacher
7. who are new to the school can begin at their own level of understanding
8. are not affected by interruptions of the day (illness, assembly, pep rally, etc.)
9. will be able, in the future, to be the master of his fate and cannot blame his grades on personality conflicts
10. read carefully and seem to enjoy that challenge
11. have less arguments about the work to be done ”

*... from a teacher*

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### TEACHER COMMENTS ON L<sup>2</sup> TEACHER TRAINING WORKSHOPS:

*“ I felt the people teaching were very knowledgeable.  
This is a pleasant change from most workshops.  
No question went unanswered. ”*

*“ This is one of the best or probably the best and most professional, but  
technically correct presentation I have experienced in 25 years. ”*

*“ I learned some great classroom management tactics. ”*

*“ The information was something I will actually use.  
This is unusual for most ‘education’ workshops. ”*

*“ This was the most organized, useful workshop  
that I have attended in 22 years of teaching. ”*