

**Collateral Gains in Reading and Math by Single Parents in Project LINCT ‘Learn and Earn’ Computer Program under EPIE Institute’s Suffolk County Training Contract**

The pre and post-test scores in reading and mathematics provided below are the results achieved by 57 parents (mostly welfare-to-work single mothers, non-high school graduates) who participated in EPIE Institute’s LINCT Learn-and-Earn Computer programs conducted in Suffolk County, Long Island, NY, during the summer and fall of 2002. Participants attended the programs five days a week, six hours per day, for 280 hours. At the end of each program, each graduate earned the computer system they had learned to use. Over 2,000 comparable adults (mostly single mothers) have graduated from these 280-hour LINCT Learn-and-Earn Computer programs since 1994.

Testing in reading and math was conducted under an arrangement with a countywide Adult Literacy Program using TABE (Test of Adult Basic Education). Test results are provided to EPIE Institute by the Patchogue-Medford Unified School District under that district’s statewide literacy program contract.

As the following pre-post TABE results demonstrate, in reading, 40 of the 57 participants achieved significant gains (from 1 to 6 years) in their reading levels during their 12 weeks of computer learning and earning. Among the other 17 participants (all but one of whose pre-test scores were at the high-school level), 11 remained at their pre-test level and 6 had post-test scores slightly lower than their pre-test scores, but remained at high school reading levels.

In mathematics, 37 of these same 57 participants achieved significant gains (from 2 months to 8 years) during their 12 weeks of computer learning and earning. Among the other 20 participants, 8 remained at their pre-test level, 11 score lower on their post-tests and 1 did not take the math post-test.

**LINCT Learn-and Earn Computer Pre-Post TABE Testing  
Conducted by: Eastern LI Adult Literacy Program, Patchogue-Medford Schools (2002)**

Adult Student #	Pre test	Post	Pre test	Post
	Reading	Reading	Math	Math
Gain (+) Loss (-) Same (=) Gain/loss of 0.1 (=)				
1.	11.1	11.1=	8.8	10.2+
2.	8.5	9.6+	6.1	8.8+
3.	9.1	10.5+	9.3	10.5+
4.	8.5	9.6+	6.1	9.4+
5.	10.0	12.9+	9.5	11.8+
6.	10.6	12.9+	6.0	8.1+
7.	7.8	8.9+	5.7	7.2+
8.	11.0	12.9+	7.9	9.2+
9.	7.8	9.2+	6.7	8.8+
10.	9.4	11.1+	9.2	11.2+
11.	10.6	11.5+	7.8	9.4+
12.	5.8	8.1+	3.1	5.2+
13.	11.5	12.9+	6.3	6.9+

Adult Student #	Pre test	Post	Pre test	Post
	Reading	Reading	Math	Math
14.	8.1	11.1+	7.1	8.5+
15.	7.6	9.2+	6.1	9.5 +
16.	6.9	8.3+	9.9	9.9 =
17.	4.0	10.7+	3.9	10.5+
18.	9.9	9.9 =	8.9	7.4 -
19.	3.2	5.9+	4.6	4.6 =
20.	9.1	9.6+	4.4	5.3+
21.	6.2	6.9+	6.4	4.7-
22.	8.5	10.7+	4.8	9.7+
23.	9.9	9.4 -	7.6	8.2+
24.	5.4	5.3 =	5.1	5.3+
25.	5.1	5.9+	3.2	5.3+
26.	5.8	6.3+	5.6	3.5-
27.	9.4	10.7+	9.4	11.2+
28.	11.5	10.5 -	7.6	7.6=
29.	9.4	10.2+	3.4	12.9+
30.	7.8	11.8+	3.9	9.0+
31.	9.1	10.7+	8.4	7.9-
32.	10.0	10.7+	10.8	10.2-
33.	7.2	11.1+	6.8	6.1-
34.	12.9	12.9 =	12.9	12.4-
35.	10.6	12.9+	6.8	7.8+
36.	3.2	6.3+	4.0	4.2+
37.	9.9	9.9 =	2.5	5.1+
38.	10.6	11.1+	5.8	(absent)
39.	6.0	6.9+	5.2	4.7-
40.	8.8	7.2-	6.4	6.6+
41.	4.6	6.9+	3.3	3.3=
42.	6.9	6.9=	5.2	6.3+
43.	5.2	6.9 +	6.9	7.1+
44.	7.8	8.9 +	5.2	5.3=
45.	9.9	9.9 =	2.5	5.1+
46.	8.5	10.5 +	10.1	10.1=
47.	12.9	11.1-	8.3	9.5+
48.	9.9	12.9+	7.4	8.3+
49.	12.9	12.9=	11.1	9.3-
50.	12.9	10.7-	8.4	11.2+
51.	12.9	12.5=	7.5	10.2+
52.	10.6	9.7-	9.7	8.9-
53.	12.9	12.9=	12.9	12.9=
54.	10.6	10.6=	2.9	4.9+
55.	9.4	12.9+	10.4	8.0-
5.6	5.6	8.1+	2.5	8.9+
57.	11.5	12.9+	8.4	10.2+