



Evidence-Based Literacy Instruction

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Summary of ACT project Conducted October, 2007

Study Design

- 70 Seniors received EBLI instruction
- Students participating had previously taken the ACT
- All students were scheduled to retake the ACT
- Each group received 1.25-1.75 hours of EBLI (total)
- Each group consisted of 7-15 students
- 5 Michigan High Schools participated
 - Owosso High School
 - Milan High School
 - USA High School (2 groups)
 - Lapeer-East High School
 - Lincoln Alternative Ed High School



Conclusion

- Students receiving less than 2 hours of EBLI instruction made significant gains over a control group in the areas of Reading, English, and Composite score.
- EBLI taught students with a 21 or higher initial ACT composite score made more than 1 point average gain over the control group in every area but Math

Data Gathered

- Retake ACT scores were reported on 52 of the 70 students instructed
- Scores for 20 students who did not receive EBLI instruction were provided by 2 of the schools (Owosso and USA) to be used as a control group
- Composite and subtest (English, Math, Reading, Science) scores are reported in average gain or loss for the group

Further Comparison

- A subgroup of EBLI taught students with a composite of 21 or higher on their initial ACT was studied
- A control group of similar students (initial ACT composite 21 or higher) was compiled
- There were 8 students in the EBLI taught group and 8 students in the control group

Graph Report

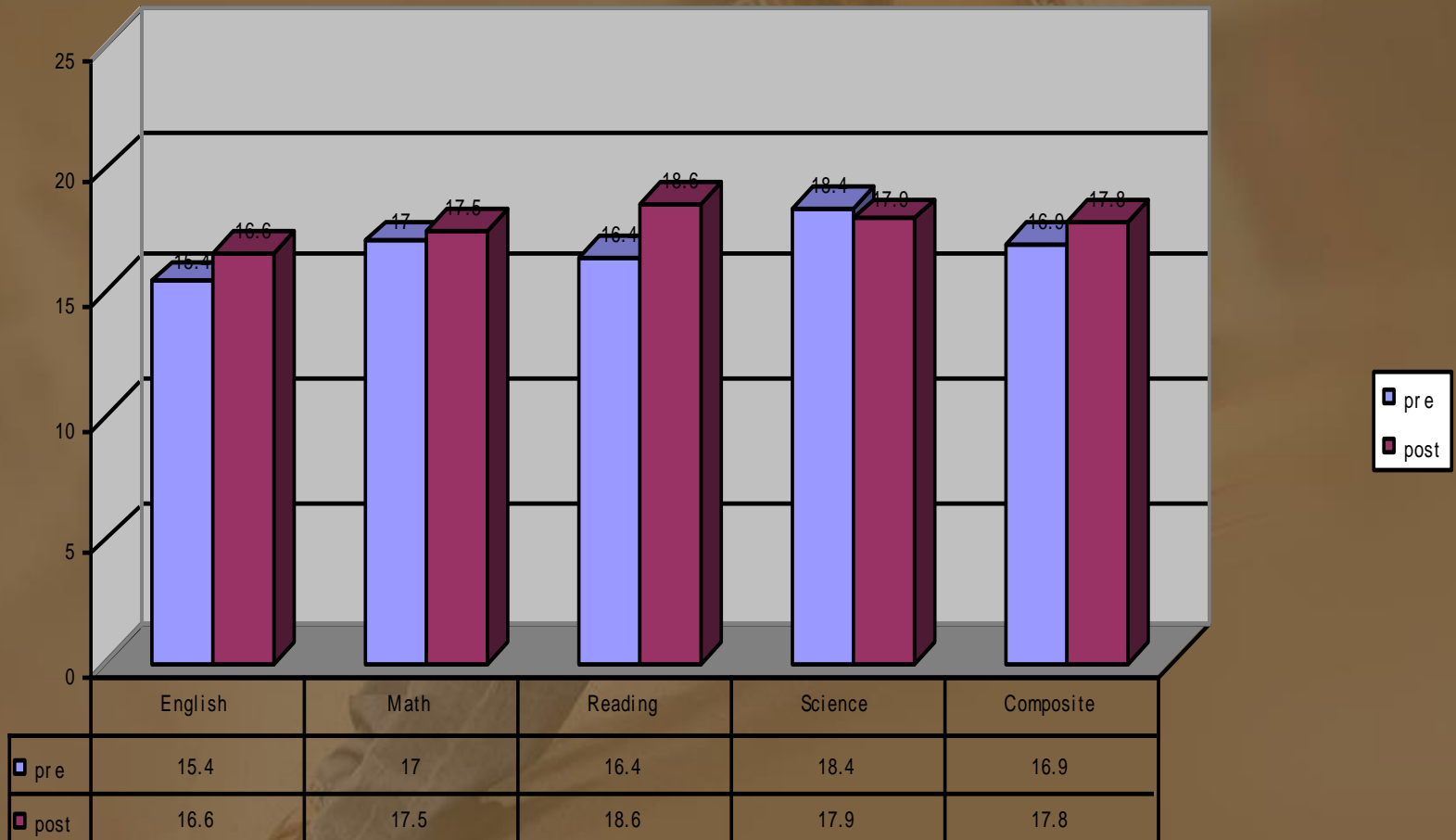
- Graphs show average pre and post score changes
- Average pre and post numerical scores are reported below the graph
- Average gain or loss in each area is reported above the graph

All EBLI taught students compared to control group

- The first chart shows the average change in ACT scores for the 52 students taught EBLI
- The second chart shows the average change in ACT scores for the 20 students in the control group (no EBLI instruction)

ACT score results of students receiving an average of 1.5 hours of group (7-15 per group) EBLI instruction. Students from 5 Michigan High Schools
n=52

English +1.2 Math +0.5 Reading +2.2 Science -0.5 Composite +0.9



Control group ACT pre and post scores for students *NOT* taught EBLI

n=20

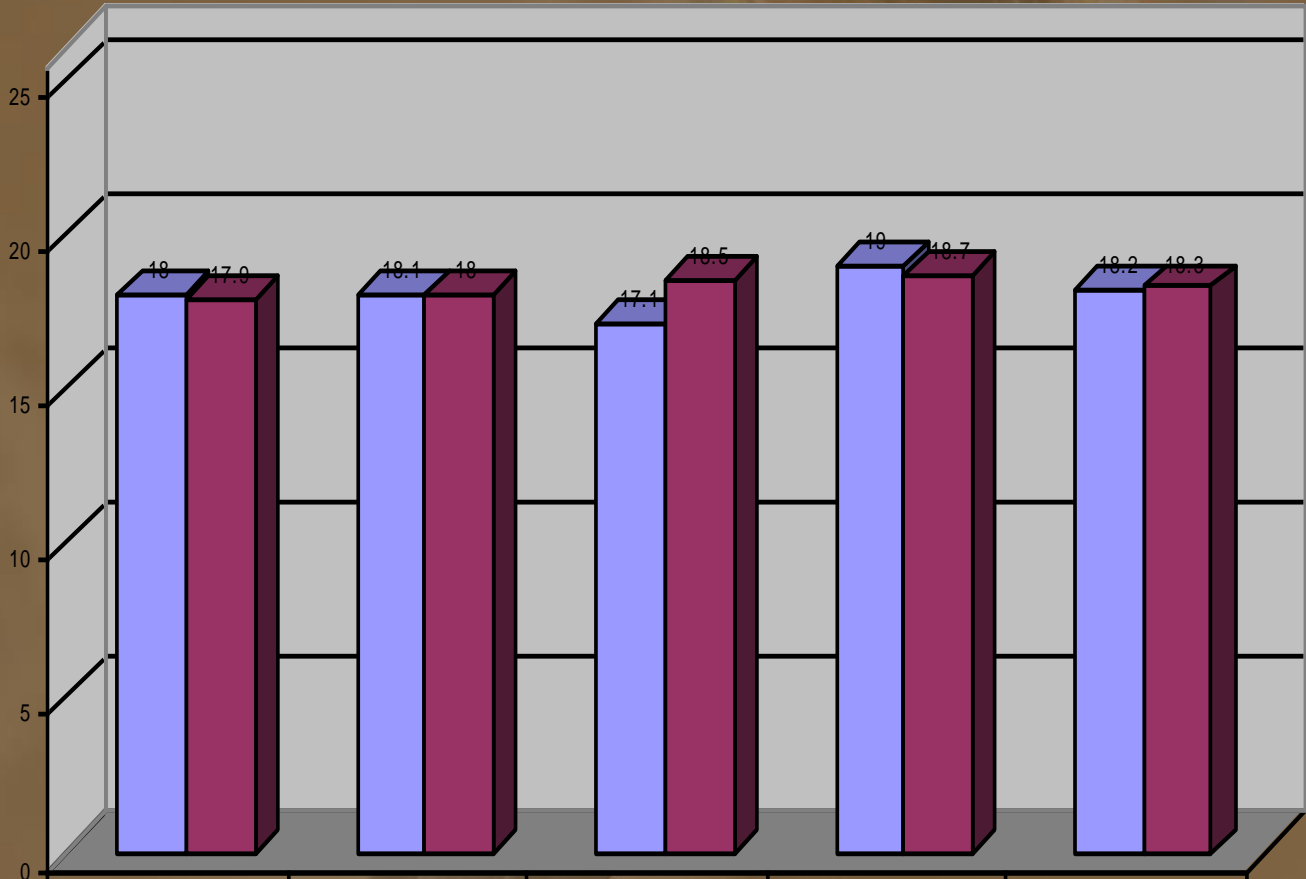
English -0.1

Math -0.1

Reading +1.4

Science -0.3

Composite +0.1



pre
post

	English	Math	Reading	Science	Composite
pre	18	18.1	17.1	19	18.2
post	17.9	18	18.5	18.7	18.3

Summary Comparison

- Gains of EBLI taught students *over the control group* are as follows:
 - Composite +0.8
 - English +1.3
 - Math +0.6
 - Reading +0.8
- Both groups had average decreases in Science. The EBLI taught group was -0.5 and the control group -0.3

Students with an initial ACT composite score of 21 or higher

- This subgroup was compiled to find out what impact EBLI has on students with higher initial scores on the ACT
- The first chart shows the average change in ACT scores for the 8 students taught EBLI who had a 21 or higher composite score
- The second chart shows the average change in ACT scores for 8 students (21 or higher initial composite score) in the control group (no EBLI instruction)

EBLI taught students with initial ACT composite of 21 or higher

n=8

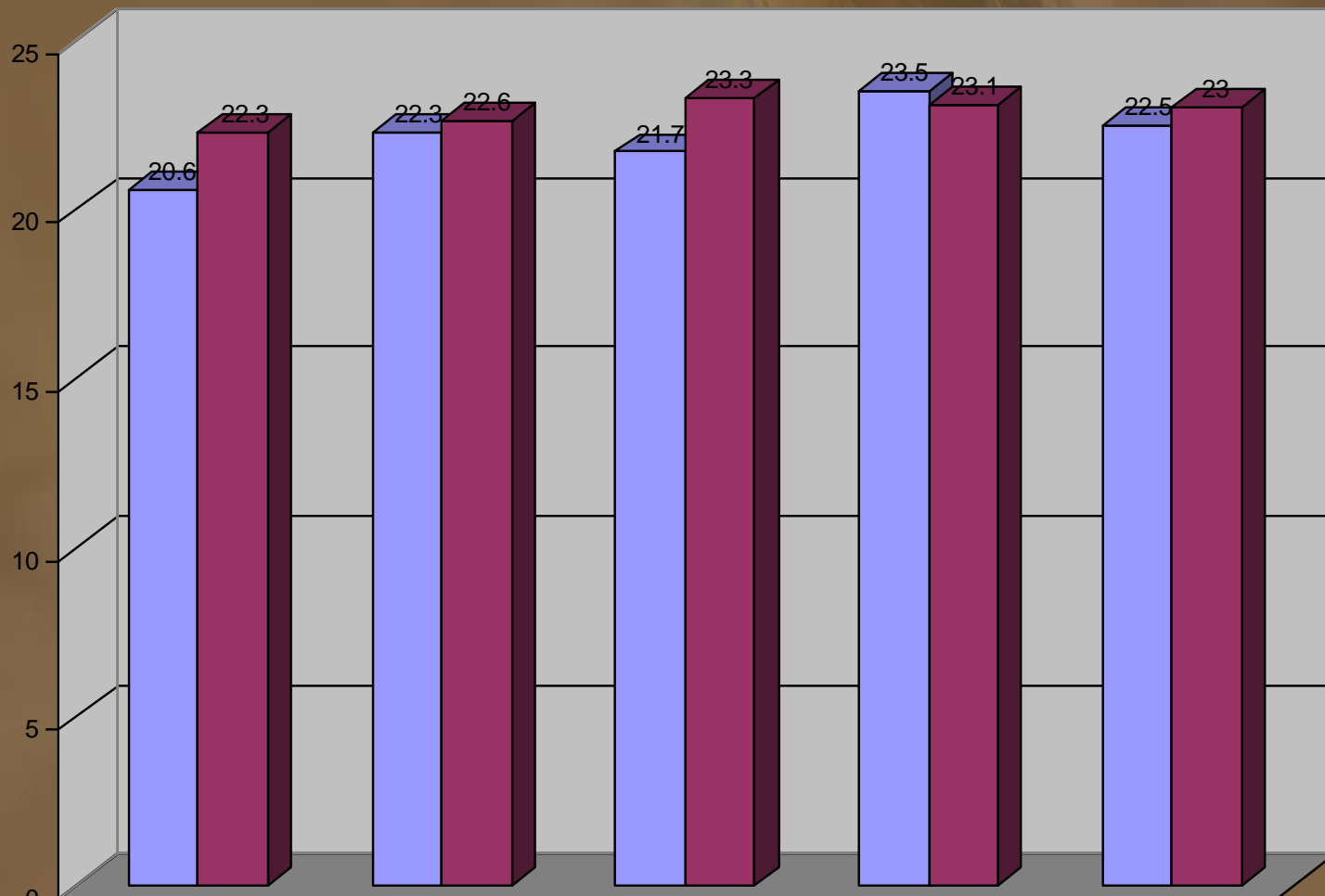
English +1.7

Math +0.3

Reading +1.6

Science -0.4

Composite +0.5

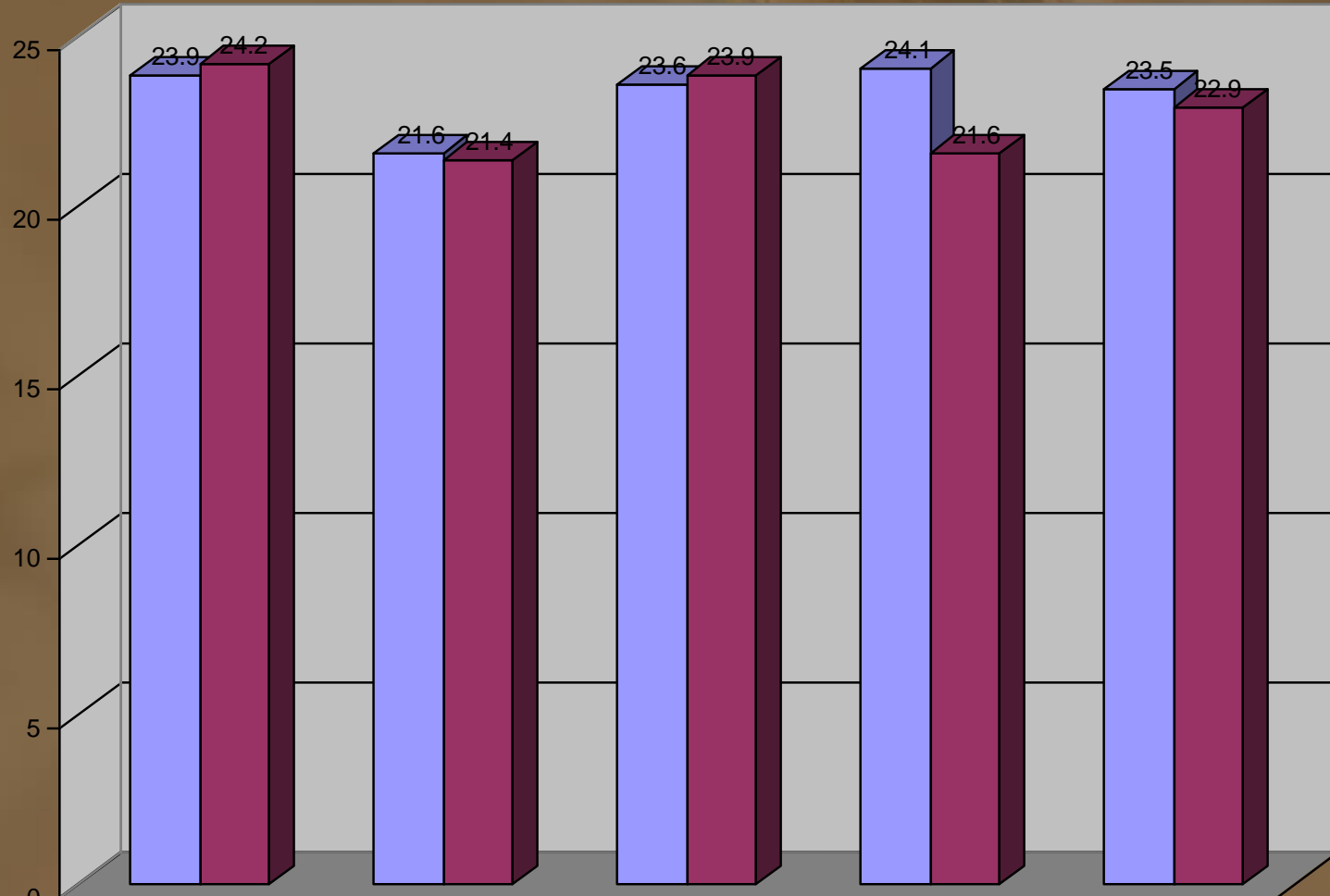


pre
post

	English	Math	Reading	Science	Composite
pre	20.6	22.3	21.7	23.5	22.5
post	22.3	22.6	23.3	23.1	23

Control group Non-EBLI taught students n=8
Initial ACT composite score higher than 21

English +0.3 Math -0.2 Reading +0.3 Science -2.5 Composite -0.6



pre
post

	English	Math	Reading	Science	Composite
pre	23.9	21.6	23.6	24.1	23.5
post	24.2	21.4	23.9	21.6	22.9

Summary Comparison

- Gains of EBLI taught students with an initial ACT composite score of 21 or higher *over the control group* are as follows:
 - Composite +1.1
 - English +1.4
 - Math +0.5
 - Reading +1.3
- Both groups had average decreases in Science. The EBLI taught group decreased -0.4 and the control group -2.5.



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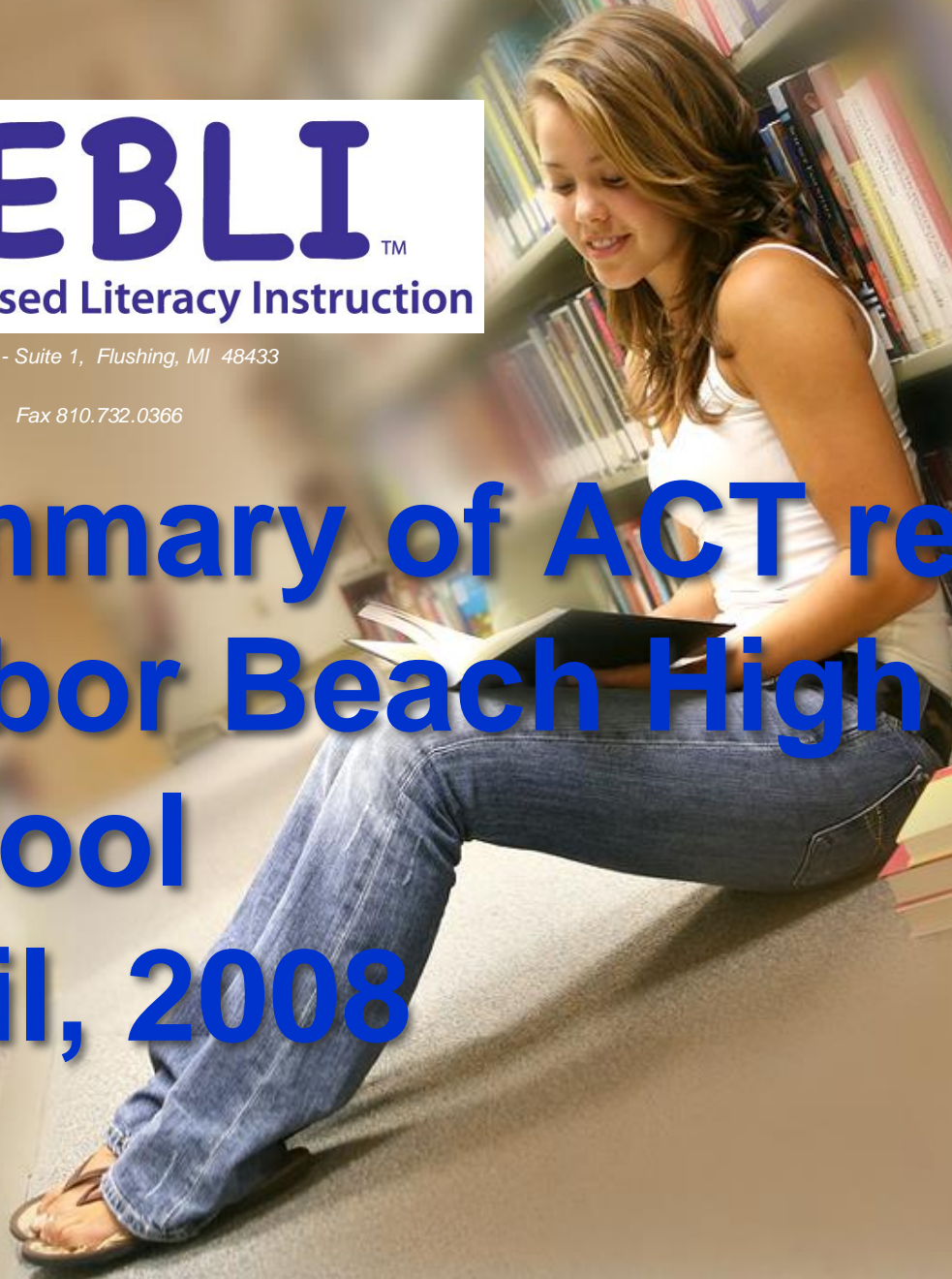
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Summary of ACT results Harbor Beach High School April, 2008



Study Design

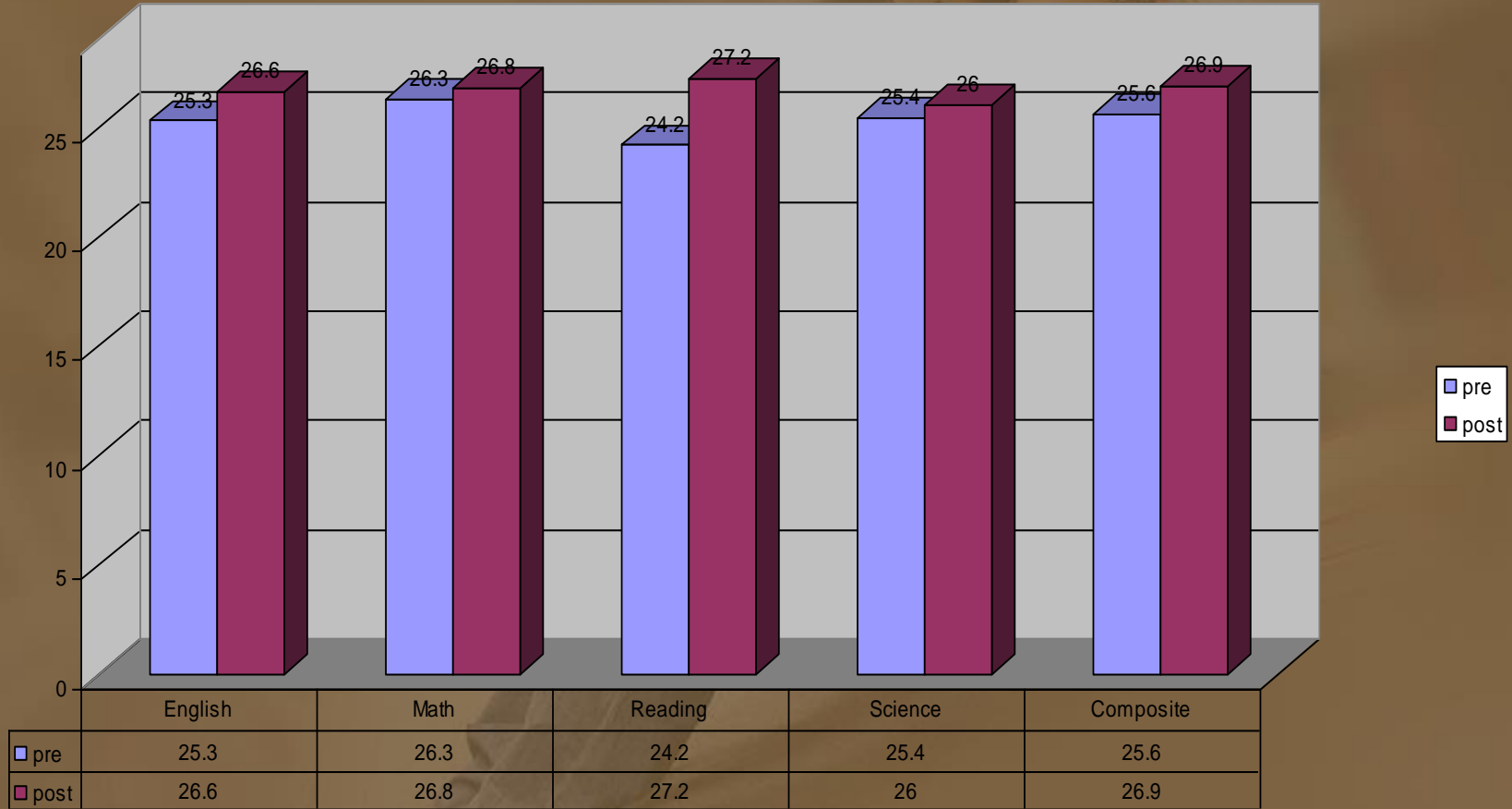
- Pre and post ACT scores of 18 students from Harbor Beach High School who had taken the ACT once prior to the state wide ACT test in March, 2008
- Students received EBLI instruction during (7) 50 minute class periods of whole class instruction before the state wide 2008 ACT testing
- EBLI instruction was done primarily by the Language Arts HS teacher who was trained in February, 2008 with one class period of instruction done by an EBLI consultant

Graph Report

- Graphs show average pre and post score changes
- Average pre and post numerical scores are reported below the graph
- Average gain in each area is reported above the graph

Harbor Beach ACT scores
18 students 5.8 hours of in class EBLI instruction

English + 1.3 Math +0.5 Reading + 3.0 Science +0.6 Composite +1.3



Summary

- Gains on ACT scores of Harbor Beach EBLI taught students
- *Average* point gains of all 18 students
 - Composite +1.3
 - English +1.3
 - Math +0.5
 - Reading +3.0
 - Science +0.6

Schedule your EBLI ACT prep

Individual 2 hour sessions available Mon-Sat by appointment at Ounce of Prevention Reading Center

- **Sessions available on-site at schools – minimum of 15 students**
- **Call, email, or visit our web site to register:**
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