

STAAR Test Maker

is highly predictive of STAAR scores!

The following report was compiled by Darrell Brown, the Chief Learning Officer of Eagle Mountain-Saginaw ISD. Progress Testing did not commission, sponsor, or financially support the report in any way.

Throughout the 2012-2013 school year, Eagle Mountain-Saginaw Independent School District exclusively used STAAR Test Maker by Progress Testing to create benchmark tests. Overall, Mr. Brown concluded that these benchmark tests reflected a high correlation to student scores on the STAAR exams that took place in April 2013.

The Pearson Product-Moment Correlation Coefficient (r) formula was used to determine a positive or negative correlation. In general, the Pearson r formula indicates that a very strong positive relationship exists if $r = +.70$ or higher; a strong positive relationship exists if $r = +.40$ to $+.69$; a moderate positive relationship exists if $r = +.30$ to $+.39$; and so on.

Please Note: The benchmark tests used by Eagle Mountain-Saginaw ISD were created for the 2012-2013 school year. As a result, these tests did not include any items from the substantial updates made to STAAR Test Maker for the August 2013 release. These updates included a large increase in the amount of rigorous, high-complexity items. In addition, the text complexity and length of passages were enhanced to match the 2013 STAAR Released Tests. Total item counts increased from 30,000 to 45,000, and dozens of reading passages were added.

For more details regarding the report that follows, please contact Laura Bresko, president of Progress Testing, at lbresko@progresstesting.com



Progress Testing

800-930-TEST

www.staartestmaker.com

STAAR Test Maker

By **Progress Testing**

*Data supplied by Eagle Mountain-Saginaw ISD *Values calculated using Pearson r formula

EMS 2012-2013 Benchmark Testing Study

Benchmark	Correlation	Validity/Significance	Predictive Analysis
3 rd Math Fall	.75	Yes	Yes
3 rd Math Spring	.82	Yes	Yes
3 rd Reading Fall	.597	Yes	No
3 rd Reading Spring	.77	Yes	Yes
4 th Math Fall	.72	Yes	Yes
4 th Math Spring	.847	Yes	Yes
4 th Reading Fall	.65	Yes	No
4 th Reading Spring	.77	Yes	Yes



~Please note: the Correlation column above gives the Pearson r score values~

According to the Pearson r formula, if r =

- + .70 or higher: a very strong positive relationship
- + .40 to + .69: a strong positive relationship
- + .30 to + .39: a moderate positive relationship
- + .20 to + .29: a weak positive relationship
- + .01 to + .19: no or negligible relationship

According to the Pearson r formula, if r =

- .01 to - .19: no or negligible relationship
- .20 to - .29: a weak negative relationship
- .30 to - .39: a moderate negative relationship
- .40 to - .69: a strong negative relationship
- .70 or higher: a very strong negative relation

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Benchmark	Correlation	Validity/Significance	Predictive Analysis
4 th Writing Spring	.694	Yes	No
5 th Math Fall	.76	Yes	Yes
5 th Math Spring	.834	Yes	Yes
5 th Reading Fall	.562	Yes	No
5 th Reading Spring	.752	Yes	Yes
5 th Science Fall	.628	Yes	No
5 th Science Spring	.735	Yes	Yes
6 th Math Fall	.72	Yes	Yes



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Benchmark	Correlation	Validity/Significance	Predictive Analysis
6 th Math Semester	.759	Yes	Yes
6 th Math Spring	.86	Yes	Yes
6 th Reading Fall	.567	Yes	No
6 th Reading Spring	.562	Yes	No
7 th Math Fall	.761	Yes	Yes
7 th Math Spring	.863	Yes	Yes
7 th Reading Fall	.504	Yes	No
7 th Reading Spring	.776	Yes	Yes



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Benchmark	Correlation	Validity/Significance	Predictive Analysis
8 th SS Sem	.745	Yes	Yes
8 th SS Spring	.776	Yes	Yes
Algebra I Fall	.61	Yes	No
Algebra I Spring	.788	Yes	Yes
Biology Fall	.673	Yes	No
Biology Spring	.734	Yes	Yes
Eng I Reading Fall	.495	Yes	No
Eng I Reading Spring	.749	Yes	Yes



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Benchmark	Correlation	Validity/Significance	Predictive Analysis
Eng I Writing Spring	.68	Yes	No
Eng II Reading Fall	.592	Yes	No
Eng II Reading Spring	.659	Yes	No
Eng II Writing Spring	.653	Yes	No



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