

**Sample High School  
Means Comparisons of Engagement Dimensions**

		SHS	NAIS			HSSSE Public		
<b>Cognitive / Intellectual / Academic Engagement</b>	<b>Grade</b>	Mean	Mean	Prob	Effect	Mean	Prob	Effect
	<b>9th</b>	34.1	34.1		0.02	30.5	***	0.79
	<b>10th</b>	34.6	33.8	***	0.19	30.7	***	0.88
	<b>11th</b>	34.2	34.3		-.03	30.7	***	0.75
	<b>12th</b>	35.0	34.5	*	0.13	31.4	***	0.79
	<b>Total</b>	34.4	34.2	**	0.06	30.8	***	0.80
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<b>Cognitive growth through personal skill development</b>	<b>Grade</b>	Mean	Mean	Prob	Effect	Mean	Prob	Effect
	<b>9th</b>	11.5	11.5		-.04	9.99	***	0.81
	<b>10th</b>	11.5	11.3	*	0.10	10.1	***	0.79
	<b>11th</b>	11.4	11.3		0.01	9.89	***	0.80
	<b>12th</b>	11.6	11.5		0.09	10.2	***	0.77
	<b>Total</b>	11.5	11.4		0.03	10.0	***	0.79
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<b>Level of effort in academic pursuits</b>	<b>Grade</b>	Mean	Mean	Prob	Effect	Mean	Prob	Effect
	<b>9th</b>	12.1	12.0		0.04	10.9	***	0.70
	<b>10th</b>	12.2	11.9	***	0.20	10.9	***	0.81
	<b>11th</b>	12.0	11.9		0.02	10.9	***	0.63
	<b>12th</b>	12.1	11.9	*	0.12	11.1	***	0.59
	<b>Total</b>	12.1	12.0	***	0.09	10.9	***	0.69
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<b>Attitude toward learning</b>	<b>Grade</b>	Mean	Mean	Prob	Effect	Mean	Prob	Effect
	<b>9th</b>	6.30	6.23		0.07	5.62	***	0.62
	<b>10th</b>	6.36	6.15	***	0.21	5.66	***	0.68
	<b>11th</b>	6.24	6.25		-.01	5.65	***	0.55
	<b>12th</b>	6.43	6.30	*	0.13	5.77	***	0.61
	<b>Total</b>	6.32	6.23	***	0.09	5.67	***	0.61

\*p<.05, \*\*p<.01, \*\*\*p<.001

## Sample High School Histogram Comparisons

