

Onslow County Schools  
**Northside High School**  
**NHS Advanced Applied S.T.E.M. Academy Tower**  
**Advisory Board Meeting Minutes**

Tuesday, November 24, 2015  
 Room 904 (KCobb), 3:30-5:30pm



AGENDA ITEM	MEETING ACCOMPLISHMENTS
<p><b>Facility Tour</b></p>	<p><b>Advanced Applied STEM Academy Tower Student Ambassadors</b> gave each Advisory Board Member a complete tour of Northside High School’s Advanced Applied S.T.E.M. Academy Tower to include both Paxton-Patterson labs (rooms 907 and 906) and Drafting lab (903).</p>
<p><b>Welcome &amp; Meeting Overview with Introductions</b></p>	<p><b>Mrs. Kari Cobb</b>, <i>Advanced Applied STEM Academy Tower Director and Coordinator</i>, welcomed everyone and invited everyone to introduce themselves:</p> <ul style="list-style-type: none"> <li>• <b>AASAT Student Ambassadors:</b> Tatum Kellum and Kim Nguyen</li> <li>• <b>AASAT Student Council:</b> Khulan Khuchitbaatar, James McBroom, and Erika King</li> <li>• <b>AASAT Academic Team:</b> Kathy LaPointe, Jeff Cobb, and Nicole Martin</li> <li>• <b>AASAT Advisory Board:</b> Joey Carter (MSA), Lauri Crowder and Nader Aboulhosn (OCS/Videographer/Producer), Sgt. Keith Hess (US Army), Hank King (MSA), Nancy King (parent), John Shannon (OCS CTE) and Derrick White (NSBE Jr.).</li> </ul> <p>The meeting began with an approval of the agenda and desired outcomes.</p>
<p><b>Advanced Applied STEM Academy Tower Overview and Curriculum/ Program of Study</b></p>	<p><b>AASAT Student Ambassadors</b> presented an <a href="#">overview of Northside High School’s Advanced Applied S.T.E.M. Academy Tower</a> (click on link to review).</p> <p><b>Mrs. Kari Cobb</b> presented an overview of <a href="#">Northside High School’s Advanced Applied S.T.E.M. Academy Tower Curriculum Scope and Sequence</a> (click on link to review).</p>
<p><b>Advanced Applied STEM Academy Tower Recruitment, Engagement, and Marketing</b></p>	<p><b>Evaluation of current offerings:</b></p> <ol style="list-style-type: none"> <li>1. Tower Week</li> <li>2. CTE Showcase (@ March)</li> <li>3. JCMS/NBMS 8<sup>th</sup> Grade and Parent Meetings</li> </ol> <p><b>Opportunities for community advocacy:</b></p> <ol style="list-style-type: none"> <li>1. Partner with JCE and JCMS to judge/assist with Science and Engineering Fair</li> <li>2. Annual Science and Engineering Fair</li> <li>3. STEM Buddies with JCE and/or JCMS</li> </ol>
<p><b>Advanced Applied STEM Academy Tower Aspirations</b></p>	<p><b>Mrs. Kari Cobb</b> presented the future goals of Northside High School’s Advanced Applied S.T.E.M. Academy.</p> <ol style="list-style-type: none"> <li>1. <a href="#">NC STEM Recognition Program</a></li> <li>2. <a href="#">NCAC Model Academy</a></li> </ol> <p>Application for both of these programs are being submitted early spring 2016. Advisory Board will be updated as information is available.</p>

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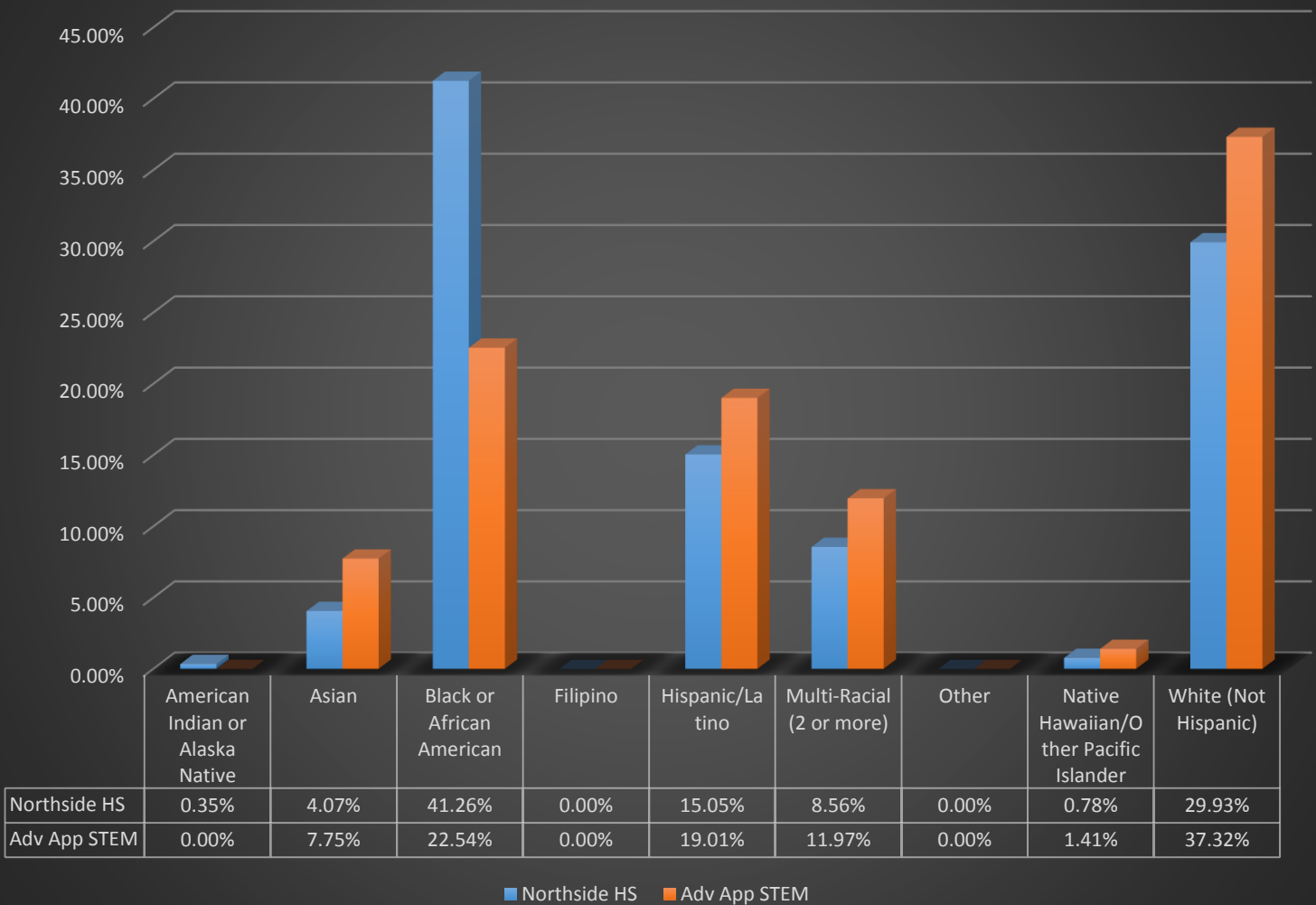
<p><b>National Career Academy Coalition Standards of Practice</b></p>	<p><b>Mrs. Kari Cobb</b> presented the need of the Advisory Board for the Northside High School's Advanced Applied S.T.E.M. Academy.</p> <p>a. <b>NSOP 6. Governance and Leadership.</b> The academy has a governing structure that incorporates the views of all stakeholders and the leaders of the advisory board.</p> <p>b. <i>Work on creating an AASAT eNewsletter by December 2015 Advisory Board eMeeting. A bi-weekly newsletter was achieved; please click on links below to review both newsletters.</i></p> <p>a. <a href="#">December 8, 2015</a></p> <p>b. <a href="#">December 23, 2015</a></p>
<p><b>Needs of the community...how can the AA STEM Academy meet those needs?</b></p>	<p><b>Mr. Derrick White</b> suggested that our AASAT students offer engineering skills by working on real-world projects for the community.</p>
<p><b>Expectations.....</b> <i>What would the partner agree to do within the academy, i.e. guest speakers, shadowing experiences, mentoring, internships for students, and externships for teachers? Where would the partner feel most comfortable helping?</i></p> <p><b>Comments/Questions</b></p>	<ul style="list-style-type: none"> <li>• Professional Panel Discussions during Power Hour (like Engineers)</li> <li>• Teaching Economics as it relates to Engineering; justification of budgeting</li> <li>• Recruitment-Is it genetics or does the curriculum influence students? (Board interested in seeing Academy Demographics; see below)</li> <li>• Dual Enrollment with CCCC for Drafting Courses to assist with Drafting facility constraints. Mr. John Shannon is due to meet with CCCC, December 10, 2015, and will update Board at January's meeting.</li> <li>• Incorporating Army Education Outreach Program – National Recognition</li> </ul> <p>This is a few of the items listed by members in our discussion.</p>
<p><b>What will we need to cover at our next meeting?</b></p>	<ul style="list-style-type: none"> <li>• Academy Vision</li> <li>• Academy Mission</li> <li>• Academy Purpose</li> </ul>
<p><b>Next Steps/Next Meeting</b></p>	<ul style="list-style-type: none"> <li>• Wayne Community College Field Trip, December 9, 3015</li> <li>• Members agreed to meet electronically, December 23, 2015 with a focus on the Academy's Vision, Mission, and Purpose.</li> </ul>
<p><b>Questions needing to be answered before next meeting...</b></p>	<p>When can we schedule a Panel Discussion for our STEM Academy students? Who will be on the panel? What were the results of the CCCC meeting with OCS/John Shannon? Demographics...see the next page?</p>

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**Ethnicity Correlation 2015-2016**



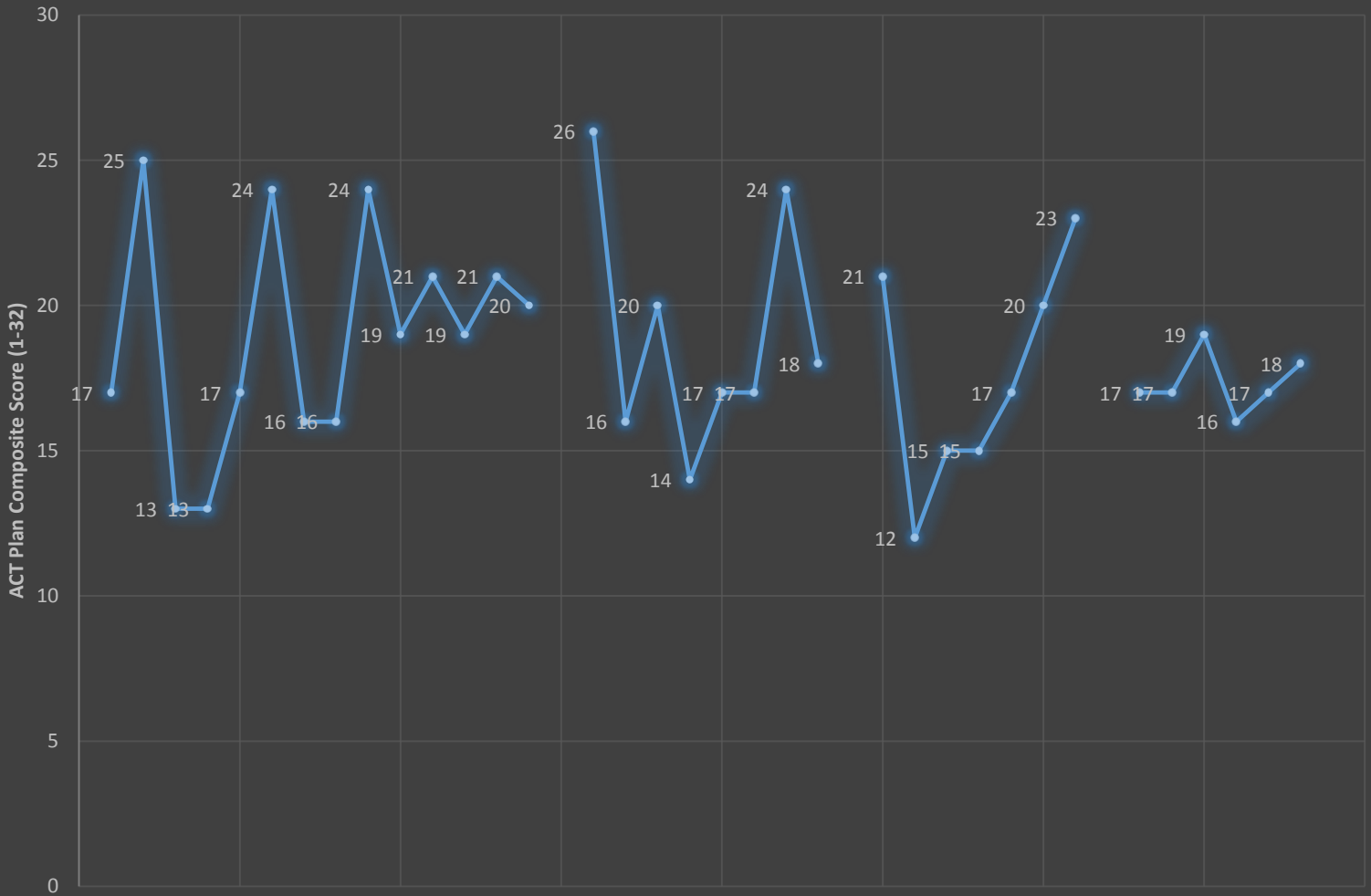
While our Academy is low in some and high in other ethnic areas, we are pleased at the fact that our Academy’s demographics closely correlate with the overall demographics of Northside High School. Our Academic Team will continue along with the Advisory Board’s guidance to recruit and engage those ethnic groups in which we are most lacking.

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**ACT Plan Composite Score Scatter Plot  
 2015-2016**



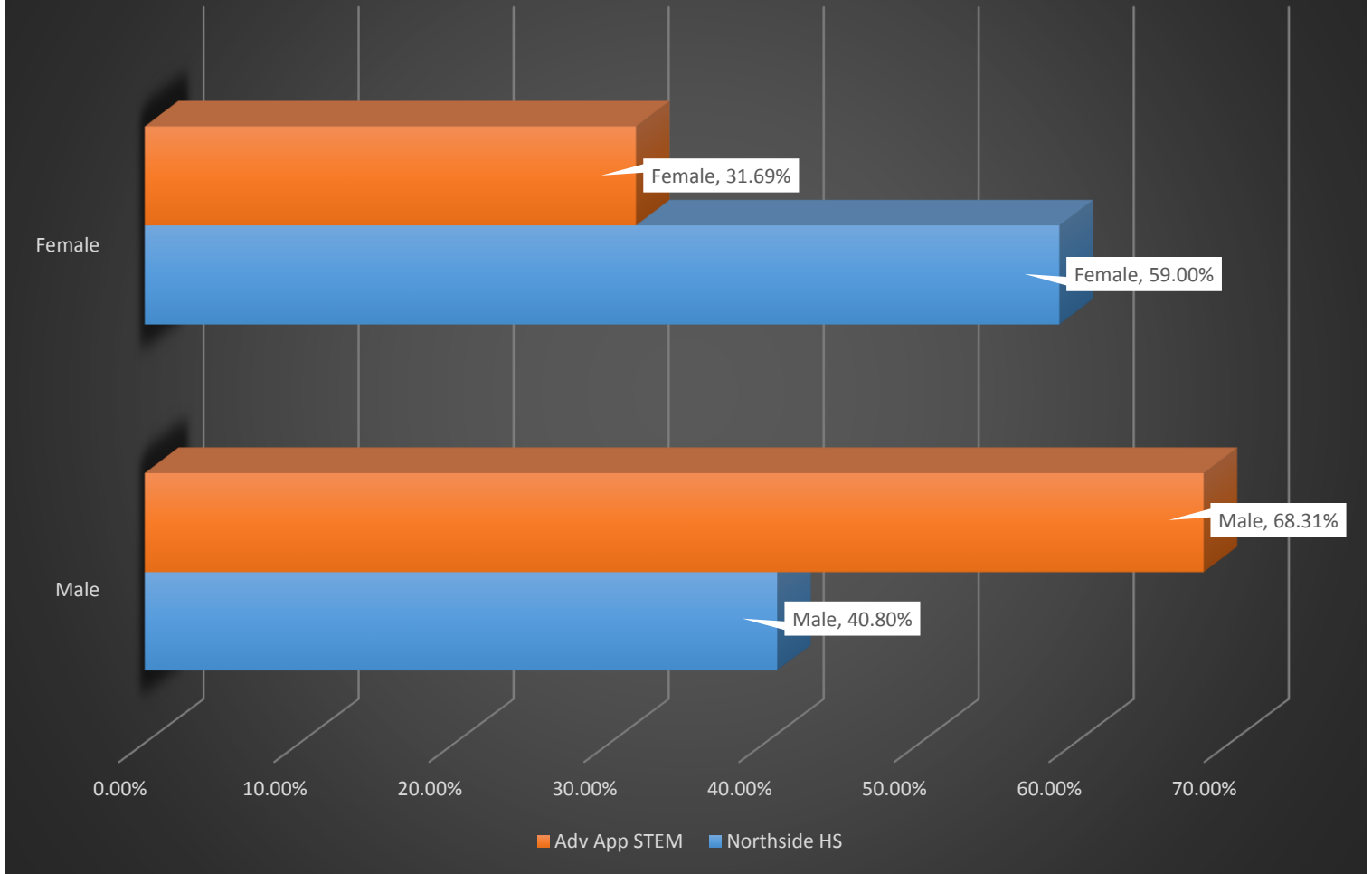
One of the concerns of our Advisory Board was that our Academy was preferentially targeting those students already destined for academic success. To demonstrate that our Academy attracts and accepts a variety of students, as also witnessed from the demographic comparison chart on page 3, the PLAN test scores are displayed above. The PLAN is a preliminary ACT test that is generally administered in the sophomore year. ACT, Inc. claims that it predicts success on the ACT. It is viewed as the ACT's equivalent of the PSAT. **The PLAN® Test** includes four multiple-choice tests: English, Math, Reading, and Science with scores ranging from 0 to 32. The chart above demonstrates that our current sophomores are a great mixture of intelligence to include academia experience. This will prove beneficial as our students learn to collaborate and learn from and with each other throughout this program.

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### Gender Correlation 15-16



While our Academy is low regarding our female population, we are pleased at the fact that our Academy's gender demographics are still better than that of our nation, which is currently 13%. Our Academic Team will continue along with the Advisory Board's guidance to recruit and engage those ethnic females in which we are most lacking. -National Science Foundation, 2015