

### North Carolina STEM School/Program Attributes

North Carolina Department of Public Instruction's NC STEM Attributes *	Early 	Developing 	Prepared 	Model 
<b>Integrated Science, Technology, Engineering and Mathematics (STEM) curriculum, aligned with state, national, international and industry standards</b>				
1) Project-based learning with integrated content across STEM subjects				
2) Connections to effective in- and out-of-school STEM programs				
3) Integration of technology and virtual learning				
4) Authentic assessment and exhibition of STEM skills				
5) Professional development on integrated STEM curriculum, community/industry partnerships and postsecondary education connections				
6) Outreach, support and focus on underserved, especially females, minorities, and economically disadvantaged				
<b>On-going community and industry engagement</b>				
7) A communicated STEM plan is adopted across education, communities and businesses				
8) STEM work-based learning experiences, to increase interest and abilities in fields requiring STEM skills, for each student and teacher				
9) Business and community partnerships for mentorship, internship and other STEM opportunities that extend the classroom walls				
<b>Connections with postsecondary education</b>				
10) Alignment of student's career pathway with postsecondary STEM program(s)				
11) Credit completion at community colleges, colleges and/or universities **				

\*Attributes define essential components central to 21<sup>st</sup> Century Skills

\*\*Not required for Elementary or Middle Schools - For High Schools Only