

## How ETHOS Measures Quality: *Alignment with National Science Education Standards*

NSES/ETHOS Link	National Science Education Standards	ETHOS Alignment
Science Content Standards (cont.)	Content Standard G (History and Nature of Science): <ul style="list-style-type: none"> <li>•Science as a human endeavor</li> <li>•Nature of science</li> <li>•History of science</li> </ul>	G.ETHOS’s 65 curriculum modules (referenced above) also fulfill History and Nature of Science standards.
Assessment in Science Education Standards: Evaluation of Student Learning and Program Effectiveness	Assessment Standard A: Assessments must be consistent with the decisions they are designed to inform.  Assessment Standard B: Achievement and opportunity to learn science must be assessed. Assessment Standard C: The technical quality of the data collected is well matched to the decisions and actions taken on the basis of their interpretation. B. Assessments of the ETHOS program in each district triangulate student achievement and the school’s extent of participation in the opportunities ETHOS provides. C. Through the IFA, educators are provided with	<ul style="list-style-type: none"> <li>•Pursue our mission of continuously improving the competencies of teachers, with an initial focus on science education</li> <li>•Provide a wide array of teacher professional development directly linked to a standards-based curriculum and approach, including sessions that enable teachers to become “demonstrably proficient” in science instruction.</li> <li>•Use of research-based best practices, including an inquiry-based approach, teacher-driven professional development, and cultivating a community of learners that includes university partners</li> <li>•Build a network of administrators who are knowledgeable about and supportive of implementation of standards-based reform as defined in the NSES Belief statements:</li> </ul>
	tools to measure student learning as formative assessment enabling teachers to modify their instructional practice	Organizational beliefs: <ul style="list-style-type: none"> <li>•All students can learn (NSES)</li> <li>•By preparing teachers better, students will perform better</li> <li>•Implementation of research-based best practices</li> <li>•NSES/Indiana standards</li> <li>•Encouraging collaboration facilitates learning and leadership</li> </ul>