Woodrow Wilson
Skills Aligned to Project Themes

Themes	Associated Skills

Theme I Motivation and Learning Environments	Learning theories and knowledge of adolescent development
	• Teenage behaviors
	• Motivation
	• Engagement
	• At risk students
	
	Teaching perspective informed by a critical pedagogy (e.g., issues of class, race, gender, purpose of schooling)
	
	General pedagogical skills
	• Learning environments
	• General computer technologies
	• Short and long range planning
	• Classroom management skills
	• Student, faculty, and corporation handbooks
	• Community awareness
	• Policy guidelines
	    1. Federal (NCLB, AYP, FERPA, IDEA)
	    2. State (PL221)
	    3. Local

Theme II Adolescent and Cognitive Development	Learning theories and knowledge of adolescent development • Teenage behaviors • Motivation • Engagement • Learning theory • At risk students • Brain development
Theme III STEM Student Learning	Assessment skills • Formative and summative assessment (What makes good assessment question or task?) • ISTEP • Core 40 • ECA's • GQE • Bloom's Taxonomy • Testing/Grading/Feedback Interpersonal skills • Effective communication with parents and colleagues • Productive working relationships with students

Theme IV Effective STEM Teaching	Knowledgeable in content area (ability to convey their own knowledge in multiple ways) Pedagogical content skills • Differentiated Lesson planning • Classroom discourse • Student misconceptions regarding content • Knowledge of how students think/reason about content • What makes good assessment question or task? • Worthwhile tasks in mathematics and science • Content specific uses of technologies • Testing/Grading/Feedback • Lab Materials • Resources (computers, software, updated texts) • Knowledgeable of context of students as learners of science and mathematics, and school (a good ethnographer) • Technology integration skills • Knowledge of Curriculum standards (NCTM, NSTA, Indiana) • Assessment results to inform instruction Professional Growth • Inquiry stance toward teaching • Life-long learners • Reflective practitioners • Embracing the disposition that all students can learn Interpersonal skills • Effective communication with parents and colleagues • Productive working relationships with students