In order to develop a student's 21st Century Skills, a teacher must foster the development by teaching the skills of collaboration, critical thinking, and information literacy. These skills are essential in today's world and are needed for success in both personal and professional endeavors.

**Theoretical Framework**

- **Central Texas High School**
- **Student population:** 65% of students are below poverty line
- **Curriculum tradition:** Focuses on factual/algorithmic aspects of STEM

**Case Study:**
- **Central Texas High School:**
- **Chemistry class:**
- **Teacher:** Conducted a classroom observation focusing on the curriculum, student population, and classroom activities.

**Results:**
- **Student-centered activities** and assessments that foster the development of 21st Century Skills.
- **Collaboration** and **Critical Thinking**.
- **Information Literacy**.

**Future Implications:**
- **Design a curriculum** that includes strategies for developing 21st Century Skills.
- **Incorporate different kinds of activities** that develop students' 21st Century Skills.

**Conclusion:**
- **Develop a questionnaire tool** that assesses levels of proficiency in various 21st Century Skills.
- **Create a classroom environment** that uses different activities, instructional strategies, and assessments that would be found in real-world settings.

**Methods:**
- **Central Texas High School:**
- **Grades:** 10th to 12th
- **Chemistry class:**
- **Teacher:** Conducted a classroom observation focusing on the curriculum, student population, and classroom activities.

**Site Location:**
- **Central Texas High School:**
- **Student population:** 65% of students are below poverty line
- **Curriculum tradition:** Focuses on factual/algorithmic aspects of STEM

**Background:**
- **High School students** are being prepared for jobs that do not exist yet, and it is important to understand what these skills might be.
- **Technology:**

**Future Implications:**
- **Design a curriculum** that includes strategies for developing 21st Century Skills.
- **Incorporate different kinds of activities** that develop students' 21st Century Skills.

**Conclusion:**
- **Develop a questionnaire tool** that assesses levels of proficiency in various 21st Century Skills.
- **Create a classroom environment** that uses different activities, instructional strategies, and assessments that would be found in real-world settings.