**New Jersey Curriculum Core Content Standards**

**Science Standards**

**5.1 Science Practices:** Science is both a body of knowledge and an evidence-based, model-building enterprise that continually extends, refines, and revises knowledge. The four Science Practices strands encompass the knowledge and reasoning skills that students must acquire to be proficient in science.

**C. Reflect on Scientific Knowledge:** Scientific knowledge builds on itself over time.

**Content:** Refinement of understandings, explanations, and models occurs as new evidence is incorporated.

**5.1.12.C.1:** Reflect on and revise understandings as new evidence emerges.

**Content:** Data and refined models are used to revise predictions and explanations.

**5.1.12.C.2:** Use data representations and new models to revise predictions and explanations.

**Content:** Science is a practice in which an established body of knowledge is continually revised, refined, and extended as new evidence emerges.

**5.1.12.C.3:** Consider alternative theories to interpret and evaluate evidence-based arguments.

**D. Participate Productively in Science:** The growth of scientific knowledge involves critique and communication, which are social practices that are governed by a core set of values and norms.

**Content:** Science involves using language, both oral and written, as a tool for making thinking public.

**5.1.12.D.2:** Represent ideas using literal representations, such as graphs, tables, journals, concept maps, and diagrams

**Technology Standards (formerly Standard 8 Technology)**

**Standard 8.1, Educational Technology**, is aligned to the International Society for Technology in Education (ISTE) standards and the Partnership for the 21st Century Skills framework.

**Standard 8.2, formerly Technology Education,** is renamed Technology Education, Engineering, and Design and is aligned with the goals of the International Technology Education Association (ITEA) and the Partnership for 21st Century Skills framework.

**21st Century Life and Careers Standards (formerly Standard 9, workplace skills)**

**Standard 9.1 21st-Century Life and Career Skills:** All students will demonstrate the creative, critical thinking, collaboration, and problem-solving skills needed to function successfully as both global citizens and workers in diverse ethnic and organizational cultures.

References

New Jersey Core Curriculum Content Standards. (2011). New Jersey Department of Education.

Retrieved from https://www13.state.nj.us/NJCCCS/ContentAreaTableView\_Science.aspx

on August 16, 2011.

New Jersey Core Curriculum Content Standards. (2011). New Jersey Department of Education.

Retrieved from

https://www13.state.nj.us/NJCCCS/ContentAreaTableView\_Technology.aspx

on August 16 ,2011.