** Subject Area:**: Science

 **App Title:** Thinkin Science

 **App Price:** $25.99

 **Languages:** English

**Rationale:** Meeting requirements of both the Ontario Curriculum and NYS Common Core Learning Standards, this app allows students to explore scientific themes in a fun and engaging way. From exciting scientific experiments to engaging activities, students will explore themes such as Earth, Life, and Physical Science in the following fun settings; Fun Physics, Day and Night, Mystery Cave, Animal Tracking, and What Did You See? Students are instructed to engage in the basics of scientific method: hypothesis, experimentation, deduction, and observation. Thinkin Science offers hundreds of challenges, allowing both teachers and students to direct student learning.

**New York State P-12 Common Core Standards**

* **Standard Strand: Elementary Science Core Curriculum Grades K-4**
* **Grade:** 1
* **Topic:** Standard 1 Analysis, Inquiry and Design Scientific Inquiry
* **Item number and statement: Key Idea 1.** The central purpose of scientific inquiry is to develop explanations of natural phenomena in a continuing, creative process.

**S1.1** Ask "why" questions in attempts to seek greater understanding concerning objects and events they have observed and heard about.

**S1.1a** Observe and discuss objects and events and record observations

**S1.1b** Articulate appropriate questions based on observations

**S1.2** Question the explanations they hear from others and read about, seeking clarification and comparing them with their own observations and understandings.

**S1.2a** Identify similarities and differences between explanations received from others or in print and personal observations or understandings

**S1.3** Develop relationships among observations to construct descriptions of objects and events and to form their own tentative explanations of what they have observed.

**S1.3a** Clearly express a tentative explanation or description which can be tested

**Ontario Curriculum Expectations**

* **Standard Strand: Science and Technology Grades 1-8**
* **Grade:** 1
* **Topic:** Developing Investigtion and Communication Skills
* **Item number and statement:**

**2.3** investigate, through experimentation, the properties of various materials

**2.4** use technological problem-solving skills, and knowledge acquired from previous investigations, to design, build, and test a structure for a specific purpose

**2.5** use appropriate science and technology vocabulary, including experiment, explore, purpose, rigid, flexible, solid, and smooth, in oral and written communication