



Contribution ID: 26

Type: Poster

Development of Nuclear Energy and Radiation Textbooks for Elementary School Students

Thursday, 27 August 2015 14:00 (1h 30m)

The textbooks for elementary school students were developed to help future generations make value judgments based on appropriate information about nuclear energy and radiation. The themes and educational contents of the 13 lessons, to be delivered in one semester at elementary school level, were selected by the educational requirements of students, science teachers, and experts. The “Radiation and Life” textbook for elementary school students consists of the following chapters: Chapter 1. What is nuclear energy and radiation?, Chapter 2. Who discovered the nuclear energy and radiation?, Chapter 3. Why is nuclear energy and radiation important?, Chapter 4. Is nuclear energy and radiation dangerous?, Chapter 5. Let’s learn about what to do when an accident occurs, Chapter 6. How are nuclear energy and radiation used?, Chapter 7. What is nuclear power generation?, Chapter 8. Why is radiation used for food?, Chapter 9. What is medical radiation?, Chapter 10. What kind of irradiated products are in our daily lives?, Chapter 11. What jobs are related to nuclear energy and radiation?, Chapter 12. What are energies of future?, Chapter 13. Concept of Talk-talk (a study review game). The general trend in recent educational curriculum development suppresses national education course organizations and authorities and expands the autonomy and authority of regions and schools [1]. The derived textbook contents are expected to be helpful as first textbooks for the autonomous selection of education about nuclear energy and radiation for use in creative experiences developed at the school level.

Country or International Organization

KOREA/ WIN-KOREA

Primary author: HAN, Eunok (Korea Academy of Nuclear Safety, Republic of Korea)

Co-authors: Dr YANG, Jeongseon (Korea Institute of Nuclear Safety); LEE, Seungkoo (Korea Academy of Nuclear Safety); CHOI, Yoonseok (Korea Academy of Nuclear Safety)

Presenter: HAN, Eunok (Korea Academy of Nuclear Safety, Republic of Korea)

Session Classification: Session 11A: Posters: Career Development