

## **REDEVELOPMENT OF REPA EDUCATOR STANDARDS**

### **Description of Revisions to the General Science Standards**

Revisions to the REPA Standards for General Science were guided by recommendations made during the alignment study, by Indiana state educator reviewer comments, and by review of the [Indiana Academic Science Standards \(Grades 5–12\)](#) and the [Next Generation Science Standards \(NGSS\)](#).

Revisions include:

- updating language for consistency;
- updating language to match terminology used in the Indiana Academic Science Standards and the NGSS standards;
- clarifying topics to remove ambiguity (e.g., that the origin of major landforms includes general landforms as well as those in Indiana);
- expanding upon topics to remove restrictive language (e.g., "processes involved in the formation of igneous, metamorphic, and sedimentary rocks" became "processes involved in the rock cycle");
- removing topics to eliminate redundancy (e.g., the use of renewable and nonrenewable energy resources is no longer mentioned twice);
- removing topics to reflect appropriateness of topics for middle school educators (e.g., de-emphasizing genetic engineering, removal of "methods of genetic engineering," de-emphasizing the use of energy in homes);
- changing emphasis of topics to reflect national standards (e.g., modifications to include a standard on engineering design, combining chemistry and physics into physical science, examining human impacts); and
- including topics important to Indiana state educators (e.g., effect of viruses and bacteria on humans, examining state and national standards, science and engineering instructional strategies in real-world scenarios).