



# ICEC

IOWA CONSERVATION  
EDUCATION COALITION

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Iowa's new science standards are designed to help students move from **learning about science to figuring out science**. Our standards were adopted as performance expectations. Each standard has three components – The **Disciplinary Core Ideas (DCI)** are the content. The **Crosscutting Concepts (CCC)**, and **Science and Engineering Practices (SEP)** are how we teach / learn that content. These dimensions can and should be combined in many different ways.

## Alignment Steps

Record the following on the [Program Template](#):

1. The grade specific **science content** (DCI) to be addressed. Look at the details (in black with check boxes). You may target a portion of any of the DCI. [Look at each grade level science content in this Google Drive Folder](#).
2. The **investigative question**. What question will students be able to answer by the end of this program?
3. The **phenomena**. What pictures, videos, stories, or artifacts will you use to engage the learner?
4. The **science and engineering practices** (SEP) the students will engage in. [Look at the SEPs by grade band in this Google Drive Folder](#). Also in this folder is a worksheet you can use to jot down specific ideas or activities that fit with your program. Not every program will use every SEP.
5. The **crosscutting concepts** (CCC) students will identify. [Look at the CCCs by grand band in this Google Drive Folder](#). Also in this folder is a worksheet you can use to jot down specific ideas or activities that fit with your program. Not every program will use every CCC.
6. Your program components.
7. Additional resources or extension activities.

Need some help with this? [Please email ICEC with your questions](#).

Once you've adapted your program using the above template and would be willing to share with others, [please email the DOCX version to ICEC](#).

*This program information could be shared with teachers and administrators and will act as a reminder of the modifications you have made to your program to ensure that it is aligned with the new Iowa Science Standards.*