

Deconstructing Science Performance Expectations

Kentucky Department of Education
Office of Next Generation Learners

Read the Performance Expectation (PE)

Discuss the PE; refer to the foundation boxes related to the practices, DCI's and XCC for the PE; Refer to the NGSS progression matrices (Appendices E-J).

Is there agreement on the meaning/intent of the PE?

Ask:

What is the intent of the PE/learning? What depth is intended?
What are the key concepts for learning?
What will students need to know or do to show mastery?

YES

NO

Identify Underpinning Targets

Ask:

1. What will students need to know to master the PE?
2. What key skills (reasoning and/or performance) are needed?
3. Is some student generated product needed to ascertain competency?

Review all targets collectively; will they move students toward mastery of the PE as intended by the Framework and the NGSS?

YES

NO

Is the target basically in "student friendly" terms?

YES

NO

Add "I can"
or "I will be
able to"

Work with students to identify words that need to be defined or translated into more appropriate language; identify success criteria when needed

Discuss the PE further;
engage in additional
research; consider
seeking the advice of a
content 'expert.'