**Principal's Academy: Science and Engineering Practices** (Speaker: Dr. David Vernot, CEEMS Resource Person; June 25, 2015. 1:00 pm–4:00 pm)

Dr. David Vernot has been a dedicated educator for 40 years. He currently is consulting with Butler County ESC, the UC (CEEMS project) and the Ohio Department of Education. Recently, he retired from Fairfield City Schools with over 30 years of experience in the classroom and additional experience with curriculum and instruction, and assessment.

As part of the Principal's Academy, Dr. David Vernot led a session designed to increase the comfort level of teachers when working with standards. The attendees included teachers participating in summer programs at UC’s west campus as well as principals from partner schools with teachers currently taking part in CEEMS. This session focused on the needs of the Science Teachers from CEEMS and RET.

Dr. Vernot modeled exemplary teaching practice by first polling participants regarding their current knowledge of and experience with Ohio's New Learning Standards (**ONLS**) and Next Generation Science Standards (**NGSS**). He then set the tone for the afternoon by connecting the concepts of productive struggle and Dweck’s growth mindset model. Transition to the main topic of standards occurred by referring to a poster listed Science and Engineering Practices.

Given that the audience included teachers both from Ohio and Kentucky, Dr. Vernot had prepared handouts covering ONLS and standards used in Kentucky, which along with 25 other states adopted NGSS. Dr. Vernot explained that not only was Science content distributed somewhat differently in the new standards but also was just one component of the framework which now also incorporated three dimensions. He then explained the first, Science and Engineering Practices.