

Appendix I: Content Objectives

North Carolina Essential Standards (NCES) in Biology

Biology 3.2

Understand how the environment, and/or the interaction of alleles, influences the expression of genetic traits.

Bio.3.2.2 Predict offspring ratios based on a variety of inheritance patterns (including dominance, co-dominance, incomplete dominance, multiple alleles, and sex-linked traits).

NCEES (North Carolina Educator Evaluation System)

Objective 1: Educators will make the content that they teach relevant, engaging, and achievable for all students and will create lessons and units that develop the whole learner (p.7, 2012).

Objective 2: Educators will not simply cover material, but will be facilitators of learning; helping students to discover the solutions to complex problems (p.7, 2012)

Objective 3: Educators demonstrate how to use 21st century skills such as critical thinking, problem solving, analyzing data or complex texts, and dissecting digital information (technology, communication) (p.7, 2012)

