UNIT AT A GLANCE

Enduring Understanding	Topic	Suggested Skill	Class Periods ~**18–21** CLASS PERIODS
ENE-3, IST-5	**8.1** Responses to the Environment	**3.C.a** Identify experimental procedures that are aligned to the question, including identifying dependent and independent variables.	
ENE-1	**8.2** Energy Flow Through Ecosystems	**6.D** Explain the relationship between experimental results and larger biological concepts, processes, or theories.	
SYI-1	**8.3** Population Ecology	**4.A** Construct a graph, plot, or chart.	
SYI-1	**8.4** Effect of Density of Populations	**5.A.c** Perform mathematical calculations, including rates.	
ENE-4	**8.5** Community Ecology	**5.B** Use confidence intervals and/or error bars (both determined using standard errors) to determine whether sample means are statistically different.	
SYI-3	**8.6** Biodiversity	**6.E.c** Predict the causes or effects of a change in, or disruption to, one or more components in a biological system based on data.	
EVO-1, SYI-2	**8.7** Disruptions to Ecosystems	**5.D.a** Use data to evaluate a hypothesis (or prediction), including rejecting or failing to reject the null hypothesis. **5.D.b** Use data to evaluate a hypothesis (or prediction), including supporting or refuting the alternative hypothesis.	

AP Go to **AP Classroom** to assign the **Personal Progress Check** for Unit 8. Review the results in class to identify and address any student misunderstandings.