



Floyd County Schools | Seventh Grade Science Curriculum Map

Instructional Segment:	Structure and Function in Living Systems	Patterns in Living Systems	Stability and Change in Living Systems
Estimated Time	10 Weeks	12 weeks	12 weeks
Crosscutting Concepts	<ul style="list-style-type: none">Structure and FunctionSystems and System ModelsCause and EffectScale, Proportion and QuantityPatterns	<ul style="list-style-type: none">PatternsCause and EffectStability and ChangeSystems and System ModelsEnergy and Matter: Cycles and Flows	<ul style="list-style-type: none">PatternsCause and effectSystem and System ModelsStability and Change
Anchoring Phenomenon	Some foods are not good for you.	There are similarities among all organisms, but they are also different and fulfill important roles in the ecosystem. Organisms are dependent on their environment and changes in the environment can cause populations of organisms to change over time.	The meals we choose impact ecosystems. Some foods we eat have a local and global connection because they are imported to the United States.
Core Ideas	<ul style="list-style-type: none">Cell Structure and FunctionLevels of OrganizationOrgan SystemsInheritance of TraitsGenes and ChromosomesGrowth and Development of OrganismsSexual and Asexual ReproductionVariation of TraitsSelective Breeding (Artificial Selection)	<ul style="list-style-type: none">Structure and FunctionInterdependent Relationships in EcosystemsCycles of Matter and Energy Transfer in EcosystemsEcosystem Dynamics, Functioning, and ResilienceInheritance of TraitsVariation of TraitsEvidence of Common Ancestry and DiversityNatural SelectionAdaptation	<ul style="list-style-type: none">Interdependent Relationships in EcosystemsEcosystem Dynamics, Functioning, and ResilienceArtificial SelectionImpact of Food Production Practices on EcosystemsHuman Impact on EcosystemsBiomes
Science and Engineering Practices	<ul style="list-style-type: none">Asking questionsDeveloping and using modelsConstructing explanationsEngaging in argument from evidenceObtaining, evaluating and communicating information	<ul style="list-style-type: none">Develop and use modelsAnalyze and interpret dataConstructing explanationsAsking QuestionsObtaining, evaluating, and communicating information	<ul style="list-style-type: none">Developing and using modelsAnalyze and interpreting dataEngaging in argument from evidenceObtaining, evaluating, and communicating informationAsking questionsUsing mathematics and computational thinking
GSE code	S7L2.a, S7L2.b, S7L2.c, S7L3.a, S7L3.b, S7L3.c	S7L1.a, S7L1.b, S7L4.a, S7L4.b, S7L5.a, S7L5.b, S7L5.c	S7L3.c, S7L4.c, S7L4.d