

Science 3 – 5 for use with NGSS 2013:

Life Science: Ecosystems: Interactions, Energy, and Dynamics

Pathways of Energy and Matter in Ecosystems

Students

Learning Continuum Statements:

Students:

RIT 181-190:

- Recognizes that the Sun is the main source of energy for all living things
- Traces the flow of energy through ecosystems, using models of food chains or food webs
- Completes models of food chains and food webs

Students:

RIT 191-200:

- Describes competition for resources in ecosystems, using models
- Recognizes that the Sun is the main source of energy for all living things
- Traces the flow of energy through ecosystems, using models of food chains or food webs
- Completes models of food chains and food webs
- Describes energy flow through models of food chains and food webs

Students:

RIT 201-210:

- Recognizes that the Sun is the main source of energy for all living things
- Traces the flow of energy through ecosystems, using models of food chains or food webs
- Completes models of food chains and food webs
- Recognizes the role of producers, consumers, and decomposers, using models
- Evaluates arguments supported by food web models
- Describes energy flow through models of food chains and food webs
- Describes how consumers get energy in ecosystems

Students:

RIT 211-220:

- Completes models of food chains and food webs
- Develops models of food chains and food webs
- Compares levels of ecological pyramids
- Describes energy flow through models of food chains and food webs
- Describes how matter is conserved as it cycles through ecosystems
- Explains why the amount of matter on Earth is constant
- Describes how consumers get energy in ecosystems