

# NGSS Alignment | LaMotte Kits

## Code 5560

### Probiotic Microbe Hunters

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-LS2-1, MS-LS2-5, MS-LS2-4, MS-LS1-5, MS-ETS1-2, MS-ETS-3, HS-LS2-2, HS-ETS1.B	LS2.A, LS2.C, LS4.D, ETS1.B, LS1.B, ETS1.C	Cause and Effect, Stability and Change, Scale, Proportion and Quantity	Analyzing and Interpreting Data, Engaging in Argument from Evidence, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5561

### Surface Microbe Hunters

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-LS2-1, MS-LS2-5, MS-LS2-4, MS-LS1-5, MS-ETS1-2, MS-ETS-3, HS-LS2-2, HS-ETS1.B	LS2.A, LS2.C, LS4.D, ETS1.B, LS1.B, ETS1.C	Cause and Effect, Stability and Change, Scale, Proportion and Quantity	Analyzing and Interpreting Data, Engaging in Argument from Evidence, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5562

### Air Microbe Hunter

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-LS2-1, MS-LS2-5, MS-LS2-4, MS-LS1-5, MS-ETS1-2, MS-ETS-3, HS-LS2-2, HS-ETS1.B	LS2.A, LS2.C, LS4.D, ETS1.B, LS1.B, ETS1.C	Cause and Effect, Stability and Change, Scale, Proportion and Quantity	Analyzing and Interpreting Data, Engaging in Argument from Evidence, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5563

### Soil Microbe Hunters

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-LS2-1, MS-LS2-5, MS-LS2-4, MS-LS1-5, MS-ETS1-2, MS-ETS-3, HS-LS2-2, HS-ETS1.B	LS2.A, LS2.C, LS4.D, ETS1.B, LS1.B, ETS1.C	Cause and Effect, Stability and Change, Scale, Proportion and Quantity	Analyzing and Interpreting Data, Engaging in Argument from Evidence, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5565

### Food Microbe Hunters

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-LS2-1, MS-LS2-5, MS-LS2-4, MS-LS1-5, MS-ETS1-2, MS-ETS-3, HS-LS2-2, HS-ETS1.B	LS2.A, LS2.C, LS4.D, ETS1.B, LS1.B, ETS1.C	Cause and Effect, Stability and Change, Scale, Proportion and Quantity	Analyzing and Interpreting Data, Engaging in Argument from Evidence, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5845

### AP Environmental Water Quality Assessment Curriculum Module

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
HS-LS2-1, HS-LS2-7, HS-ESS2-2, HS-ESS2-5, HS-ESS3-1, HS-ESS3-6	LS2.A, LS2.C, LS4.D, ETS1.B, ESS2.A, ESS2.D, ESS2.C, ESS3.A, ESS3.B, ESS2.D, ESS3.D	Scale, Proportion, and Quantity, Stability and Change, Structure and Function, Cause and Effect, Systems and System Models	Using Mathematics and Computational Thinking, Constructing Explanations and Designing Solutions, Analyzing and Interpreting Data, Planning and Carrying Out Investigations, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5845-PKG

### AP The Water Quality Assessment Package

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-ESS3-3, HS-LS2-7, HS-ESS2-5, HS-ESS3-4, HS-LS2-1, HS-ESS2-2, HS-ESS3-1, HS-ESS3-6	ESS3.B, ESS3.C, LS2.C, LS4.D, ETS1.B, ESS2.C, ESS3.C, LS2.A, ESS2.A, ESS2.D, ESS3.A, ESS3.D	Patterns, Cause and Effect, Stability and Change, Structure and Function, Scale, Proportion, and Quantity, Systems and System Models	Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence, Planning and Carrying Out Investigations, Using Mathematics and Computational Thinking

## Code 5848

### Earth Force Standard Water Monitoring Kit

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
4-ESS2-1, 4-ESS2-2, MS-LS2-1, MS-LS2-5, MS-ESS3-3, HS-LS2-7, HS-ESS2-5, HS-ESS3-4	ESS2.A, ESS2.B, ESS2.E, LS2.A, ESS3.B, ESS3.C, LS2.C, LS4.D, ETS1.B, ESS2.D	Patterns, Cause and Effect, Stability and Change	Planning and Carrying Out Investigations, Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence

## Code 5870-01

### The Water Quality Educator & Monitoring Outfit

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-ESS3-3, HS-LS2-7, HS-ESS2-5, HS-ESS3-4	ESS3.B, ESS3.C, LS2.C, LS4.D, ETS1.B, ESS2.C, ESS3.C, ETS1.B	Patterns, Cause and Effect, Stability and Change, Structure and Function, Stability and Change	Engineering Practices: Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence, Planning and Carrying Out Investigations

## Code 5882

### Leaf Pack Stream Ecology Kit

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
3-LS4-3, MS-LS2-1, MS-LS2-2, MS-LS2-4, MS-LS2-5, HS-LS2-1, HS-LS2-2, HS-LS2-7	LS4.C, LS2.A, LS2.C, LS4.D, ETS1.B	Cause and Effect, Patterns, Stability and Change, Scale, Proportion and Quantity	Engaging in Argument from Evidence, Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5886

### Low Cost Water Monitoring Kit

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
MS-ESS3-4, MS-LS2-4, MS-LS2-5, HS-LS2-6, HS-ESS3-4	ESS3.C, LS2.A, LS2.B, LS2.C, LS4.D, ETS1.B, ESS3.C	Cause and Effect, Patterns, Energy and Matter, Stability and Change	Engaging in Argument from Evidence, Developing and Using Models, Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence

## Code 5942

### Macro Mania

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
3-LS4-3, MS-LS2-1, MS-LS2-2, MS-LS2-4, MS-LS2-5, HS-LS2-1, HS-LS2-2, HS-LS2-7	LS4.C, LS2.A, LS2.C, LS4.D, ETS1.B	Cause and Effect, Patterns, Stability and Change, Scale, Proportion, and Quantity	Engaging in Argument from Evidence, Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Using Mathematics and Computational Thinking

## Code 5972

### Tapwater Tour

Performance Expectations:	Disciplinary Core Ideas:	Cross Cutting Concepts:	Engineering Practices:
5-ESS3-1, MS-PS1-2, MS-ESS3-1, MS-ESS3-4, HS-ESS2-5, HS-ESS3-1	ESS3.C, PS1.A, PS1.B, ESS3.A, ESS2.C, ESS3.B	Systems and System Models, Patterns, Cause and Effect, Structure and Function	Obtaining, Evaluating, and Communicating Information, Analyzing and Interpreting Data, Constructing Explanations and Designing Solutions, Engaging in Argument from Evidence, Planning and Carrying Out Investigations