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HiSET Curriculum Mapper

109 items · HiSET

Arranged by subject (Reading, Writing, Mathematics, Science, Social Studies), then content categories before process categories; within each by assessment target. Each row lists the assessment skill, its CCRS code and grade-level grouping, and the matching Pace Prescription lesson(s).

HiSET Language Arts - Reading (19 items)

Language Arts - Reading: Content Categories (2 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-R-CONT-I	**Language Arts - Reading**	**RLA-R-CONT-I**	Literary texts	Content: I. Literary texts	**CCRS:** RL.11-12.10	**HiSET Prep** Reading 600, Types of Literature Reading 605, Techniques of Poetry Reading 610, Techniques of Prose and Drama Reading 615, Elements of Literary Character Reading Passages 1200s
HISET-RLA-R-CONT-II	**Language Arts - Reading**	**RLA-R-CONT-II**	Informational texts	Content: II. Informational texts	**CCRS:** RI.11-12.10	**Pre-HSE** Reading 201, Reading Strategies: Unit 1 Reading 223, Main Ideas and Supporting Details: Unit 3 Reading 260, Writer's Purpose **HiSET Prep** Lessons in Things 300, The Architecture of the Book Reading Passages 1200s

Language Arts - Reading: Process Categories (17 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-R-A-1	Language Arts - Reading	**RLA-R-A-1**	Understand restatements of information.	Process: A. Comprehension	**CCRS:** RL.11-12.2; RI.11-12.2	**Pre-HSE** Reading 201, Reading Strategies: Unit 1 Reading 221, Main Ideas and Supporting Details: Unit 1 Reading Passages 900s
HISET-RLA-R-A-2	Language Arts - Reading	**RLA-R-A-2**	Determine the meaning of words and phrases as they are used in the text.	Process: A. Comprehension	**CCRS:** RL.11-12.4; RI.11-12.4	**Pre-HSE** Reading 125, Definitions and Explanations Reading 130, Clue Words and Phrases in General Context **HiSET Prep** Lessons in Things 320, The Indo-European Root Engine Reading Passages 1000s
HISET-RLA-R-A-3	Language Arts - Reading	**RLA-R-A-3**	Analyze the impact of specific word choices on meaning and tone.	Process: A. Comprehension	**CCRS:** RL.11-12.4; RI.11-12.4	**Pre-HSE** Reading 120, Synonyms, Antonyms, and Figures of Speech Reading 130, Clue Words and Phrases in General Context **HiSET Prep** Reading 620, Author's Style Lessons in Things 310, Words That Changed Shape Reading Passages 1100s
HISET-RLA-R-B-1	Language Arts - Reading	**RLA-R-B-1**	Make inferences from the text.	Process: B. Inference and interpretation	**CCRS:** RL.11-12.1; RI.11-12.1	**Pre-HSE** Reading 223, Main Ideas and Supporting Details: Unit 3 Reading 230, Conclusions and Generalizations **HiSET Prep** Reading Passages 1000s
HISET-RLA-R-B-2	Language Arts - Reading	**RLA-R-B-2**	Draw conclusions or deduce meanings not explicitly present in the text.	Process: B. Inference and interpretation	**CCRS:** RL.11-12.1; RI.11-12.1	**Pre-HSE** Reading 230, Conclusions and Generalizations **HiSET Prep** Reading Passages 1100s

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HISET-RLA-R-B-3	**Language Arts - Reading**	**RLA-R-B-3**	Infer the traits, feelings, and motives of characters or individuals.	Process: B. Inference and interpretation	**CCRS:** RL.11-12.3; RI.11-12.3	**HiSET Prep** Reading 610, Techniques of Prose and Drama Reading 615, Elements of Literary Character Reading Passages 1000s
HISET-RLA-R-B-4	**Language Arts - Reading**	**RLA-R-B-4**	Apply information.	Process: B. Inference and interpretation	**CCRS:** RI.11-12.7	**Pre-HSE** Reading 201, Reading Strategies: Unit 1 Reading 202, Reading Strategies: Unit 2 Reading 440, Diagrams and Graphs **HiSET Prep** Reading Passages 1000s
HISET-RLA-R-B-5	**Language Arts - Reading**	**RLA-R-B-5**	Interpret nonliteral language.	Process: B. Inference and interpretation	**CCRS:** RL.11-12.4; L.11-12.5a	**Pre-HSE** Reading 120, Synonyms, Antonyms, and Figures of Speech **HiSET Prep** Reading 605, Techniques of Poetry Lessons in Things 310, Words That Changed Shape Reading Passages 1100s
HISET-RLA-R-C-1	**Language Arts - Reading**	**RLA-R-C-1**	Determine the main idea, topic, or theme of a text.	Process: C. Analysis	**CCRS:** RL.11-12.2; RI.11-12.2	**Pre-HSE** Reading 222, Main Ideas and Supporting Details: Unit 2 Reading 223, Main Ideas and Supporting Details: Unit 3 **HiSET Prep** Reading 610, Techniques of Prose and Drama Reading Passages 1000s
HISET-RLA-R-C-2	**Language Arts - Reading**	**RLA-R-C-2**	Identify the author's or speaker's purpose or viewpoint.	Process: C. Analysis	**CCRS:** RL.11-12.6; RI.11-12.6	**Pre-HSE** Reading 260, Writer's Purpose **HiSET Prep** Reading 620, Author's Style Reading Passages 1100s

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-R-C-3	**Language Arts - Reading**	**RLA-R-C-3**	Distinguish among opinions, facts, assumptions, observations, and conclusions.	Process: C. Analysis	**Grade level:** D (6th-8th) **CCRS:** RI.11-12.8; RI.8.8	**Pre-HSE** Reading 230, Conclusions and Generalizations Reading 251, Fact and Opinion: Unit 1 Reading 252, Fact and Opinion: Unit 2 Reading 470, Research and Research Projects **HiSET Prep** Lessons in Things 325, Logical Lorem Ipsum Lessons in Things 340, How to Have a Hard Conversation Reading Passages 1100s
HISET-RLA-R-C-4	**Language Arts - Reading**	**RLA-R-C-4**	Recognize aspects of an author's style, structure, mood, or tone.	Process: C. Analysis	**CCRS:** RL.11-12.5; RL.11-12.4; RI.11-12.5; RI.11-12.6	**Pre-HSE** Reading 201, Reading Strategies: Unit 1 **HiSET Prep** Reading 610, Techniques of Prose and Drama Reading 620, Author's Style Lessons in Things 310, Words That Changed Shape Reading Passages 1100s
HISET-RLA-R-C-5	**Language Arts - Reading**	**RLA-R-C-5**	Recognize literary or argumentative techniques.	Process: C. Analysis	**CCRS:** RL.11-12.5; RL.11-12.6; RI.11-12.6; RI.11-12.8	**Pre-HSE** Reading 260, Writer's Purpose **HiSET Prep** Reading 610, Techniques of Prose and Drama Reading 620, Author's Style Lessons in Things 325, Logical Lorem Ipsum Lessons in Things 330, The 4-7-8 Breathing Method and the Trojan Seme Reading Passages 1100s
HISET-RLA-R-D-1	**Language Arts - Reading**	**RLA-R-D-1**	Draw conclusions and make generalizations.	Process: D. Synthesis and generalization	**CCRS:** RL.11-12.1; RI.11-12.1	**Pre-HSE** Reading 230, Conclusions and Generalizations **HiSET Prep** Reading Passages 1100s

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HISET-RLA-R-D-2	**Language Arts - Reading**	**RLA-R-D-2**	Make predictions.	Process: D. Synthesis and generalization	**CCRS:** —	**Pre-HSE** Reading 202, Reading Strategies: Unit 2 **HiSET Prep** Reading 610, Techniques of Prose and Drama Reading Passages 1000s
HISET-RLA-R-D-3	**Language Arts - Reading**	**RLA-R-D-3**	Compare and contrast.	Process: D. Synthesis and generalization	**CCRS:** RL.11-12.9; RL.11-12.7; RI.11-12.9	**Pre-HSE** Reading 460, Using Information Sources Reading 470, Research and Research Projects **HiSET Prep** Reading Passages 1100s
HISET-RLA-R-D-4	**Language Arts - Reading**	**RLA-R-D-4**	Synthesize information across multiple sources.	Process: D. Synthesis and generalization	**CCRS:** RI.11-12.7	**Pre-HSE** Reading 460, Using Information Sources Reading 465, Using the Internet Reading 470, Research and Research Projects **HiSET Prep** Reading Passages 1200s

HiSET Language Arts - Writing (27 items)

Language Arts - Writing: Multiple-Choice: Content Categories (14 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-W-MC-I-1	Language Arts - Writing	**RLA-W-MC-I-1**	Select logical or effective opening, transitional, and closing sentences.	MC Content: I. Organization of ideas	**CCRS:** W.11-12.1a; W.11-12.1c; W.11-12.1e; W.11-12.2a; W.11-12.2c; W.11-12.2f	Pre-HSE Language 310, Arranging Paragraphs Language 320, Transition Words and Phrases Writing 520, Composing Paragraphs Writing 530, Composing Essays
HISET-RLA-W-MC-I-2	Language Arts - Writing	**RLA-W-MC-I-2**	Evaluate relevance of content.	MC Content: I. Organization of ideas	**CCRS:** W.11-12.4; W.11-12.5	Pre-HSE Writing 240, Facts, Details, and Examples Language 310, Arranging Paragraphs Writing 540, Revising HiSET Prep Lessons in Things 325, Logical Lorem Ipsum
HISET-RLA-W-MC-I-3	Language Arts - Writing	**RLA-W-MC-I-3**	Analyze and evaluate paragraph structure.	MC Content: I. Organization of ideas	**CCRS:** W.11-12.2a; W.11-12.4	Pre-HSE Language 310, Arranging Paragraphs Writing 520, Composing Paragraphs
HISET-RLA-W-MC-I-4	Language Arts - Writing	**RLA-W-MC-I-4**	Recognize logical transitions and related words and phrases.	MC Content: I. Organization of ideas	**CCRS:** W.11-12.1c; W.11-12.2c	Pre-HSE Language 320, Transition Words and Phrases Writing 320, Combining with Conjunctive Adverbs
HISET-RLA-W-MC-II-1	Language Arts - Writing	**RLA-W-MC-II-1**	Recognize appropriate subordination and coordination, parallelism, and modifier placement.	MC Content: II. Language facility	**CCRS:** L.11-12.1; L.9-10.1a; L.7.1c	Pre-HSE Writing 130, Parallelism Writing 150, Correctly Placed Modifiers Writing 300, Combining Using Clauses and Conjunctions
HISET-RLA-W-MC-II-2	Language Arts - Writing	**RLA-W-MC-II-2**	Recognize effective sentence combining.	MC Content: II. Language facility	**CCRS:** L.7.1b; L.9-10.1b	Pre-HSE Writing 300, Combining Using Clauses and Conjunctions Writing 310, Combining Subjects and Predicates Writing 320, Combining with Conjunctive Adverbs Writing 330, Other Combining Techniques

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-W-MC-II-3	**Language Arts - Writing**	**RLA-W-MC-II-3**	Recognize idiomatic usage.	MC Content: II. Language facility	**CCRS:** L.11-12.1a	**Pre-HSE** Language 240, Nonstandard Usage Writing 200, Common Problem Words Writing 420, Diction
HISET-RLA-W-MC-II-4	**Language Arts - Writing**	**RLA-W-MC-II-4**	Maintain consistency and appropriateness in style and tone.	MC Content: II. Language facility	**Grade level:** D (6th-8th) **CCRS:** L.6.3b; W.11-12.1d; W.11-12.2e	**Pre-HSE** Writing 410, Cliches Writing 420, Diction **HiSET Prep** Reading 620, Author's Style
HISET-RLA-W-MC-II-5	**Language Arts - Writing**	**RLA-W-MC-II-5**	Analyze nuances in the meaning of words with similar denotations.	MC Content: II. Language facility	**CCRS:** L.11-12.5b	**Pre-HSE** Reading 130, Clue Words and Phrases in General Context Writing 420, Diction **HiSET Prep** Lessons in Things 310, Words That Changed Shape
HISET-RLA-W-MC-III-1	**Language Arts - Writing**	**RLA-W-MC-III-1**	Recognize verb, pronoun, and modifier forms.	MC Content: III. Writing conventions	**CCRS:** L.11-12.1; L.6.1a; L.8.1b; L.3.1g	**Pre-HSE** Writing 140, Pronoun Reference and Agreement Writing 150, Correctly Placed Modifiers Writing 160, Verb Tense Consistency
HISET-RLA-W-MC-III-2	**Language Arts - Writing**	**RLA-W-MC-III-2**	Maintain grammatical agreement.	MC Content: III. Writing conventions	**CCRS:** L.11-12.1; L.3.1f; L.6.1c	**Pre-HSE** Writing 120, Subject-Verb Agreement Writing 140, Pronoun Reference and Agreement
HISET-RLA-W-MC-III-3	**Language Arts - Writing**	**RLA-W-MC-III-3**	Recognize and correct incomplete sentence fragments and run-ons.	MC Content: III. Writing conventions	**CCRS:** L.4.1f; L.11-12.1	**Pre-HSE** Writing 110, Complete Sentences Language 210, Sentences: Fragments and Run-ons
HISET-RLA-W-MC-III-4	**Language Arts - Writing**	**RLA-W-MC-III-4**	Recognize correct capitalization, punctuation, and spelling.	MC Content: III. Writing conventions	**CCRS:** L.11-12.2	**Pre-HSE** Language 610, Commas I Language 630, Commas III Language 640, Apostrophes Language 660, Colons and Semicolons Language 700, Capitalization Writing 200, Common Problem Words
HISET-RLA-W-MC-III-5	**Language Arts - Writing**	**RLA-W-MC-III-5**	Use reference sources appropriately.	MC Content: III. Writing conventions	**CCRS:** L.11-12.1b; L.11-12.4c	**Pre-HSE** Reading 400, Sources of Information Reading 410, Dictionaries Reading 460, Using Information Sources

Language Arts - Writing: Essay: Scoring Categories (13 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-W-ESS-A-1	**Language Arts - Writing**	**RLA-W-ESS-A-1**	Focus on central idea, supporting ideas.	Essay: A. Development of a Central Position or Claim	**CCRS:** W.11-12.1a; W.11-12.1b	**Pre-HSE** Writing 510, Prewriting Writing 520, Composing Paragraphs Writing 530, Composing Essays
HISET-RLA-W-ESS-A-2	**Language Arts - Writing**	**RLA-W-ESS-A-2**	Explanation of supporting ideas.	Essay: A. Development of a Central Position or Claim	**CCRS:** W.11-12.1b; W.11-12.9	**Pre-HSE** Writing 240, Facts, Details, and Examples Writing 520, Composing Paragraphs Writing 530, Composing Essays
HISET-RLA-W-ESS-A-3	**Language Arts - Writing**	**RLA-W-ESS-A-3**	Command over writing an argument.	Essay: A. Development of a Central Position or Claim	**CCRS:** W.11-12.1	**Pre-HSE** Reading 260, Writer's Purpose Writing 240, Facts, Details, and Examples Writing 530, Composing Essays **HiSET Prep** Lessons in Things 325, Logical Lorem Ipsum
HISET-RLA-W-ESS-B-1	**Language Arts - Writing**	**RLA-W-ESS-B-1**	Introduction and conclusion.	Essay: B. Organization of Ideas	**CCRS:** W.11-12.1a; W.11-12.1e	**Pre-HSE** Writing 520, Composing Paragraphs Writing 530, Composing Essays
HISET-RLA-W-ESS-B-2	**Language Arts - Writing**	**RLA-W-ESS-B-2**	Sequencing of ideas.	Essay: B. Organization of Ideas	**CCRS:** W.11-12.1a	**Pre-HSE** Writing 510, Prewriting Writing 520, Composing Paragraphs Writing 530, Composing Essays
HISET-RLA-W-ESS-B-3	**Language Arts - Writing**	**RLA-W-ESS-B-3**	Paragraphing.	Essay: B. Organization of Ideas	**CCRS:** W.11-12.4; W.11-12.2a	**Pre-HSE** Writing 520, Composing Paragraphs
HISET-RLA-W-ESS-B-4	**Language Arts - Writing**	**RLA-W-ESS-B-4**	Transitions.	Essay: B. Organization of Ideas	**CCRS:** W.11-12.1c; W.11-12.2c	**Pre-HSE** Language 320, Transition Words and Phrases Writing 320, Combining with Conjunctive Adverbs

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-RLA-W-ESS-C-4	**Language Arts - Writing**	**RLA-W-ESS-C-4**	Word choice.	Essay: C. Language Facility	**CCRS:** L.11-12.3; W.11-12.2d; L.11-12.6	**Pre-HSE** Writing 230, Concrete and Specific Language Writing 410, Cliches Writing 420, Diction **HiSET Prep** Lessons in Things 310, Words That Changed Shape
HISET-RLA-W-ESS-C-5	**Language Arts - Writing**	**RLA-W-ESS-C-5**	Sentence structure.	Essay: C. Language Facility	**CCRS:** L.11-12.3a; L.11-12.1	**Pre-HSE** Writing 110, Complete Sentences Writing 300, Combining Using Clauses and Conjunctions Writing 400, Varying Sentence Beginning
HISET-RLA-W-ESS-C-6	**Language Arts - Writing**	**RLA-W-ESS-C-6**	Expression and voice.	Essay: C. Language Facility	**CCRS:** W.11-12.1d; W.11-12.4	**Pre-HSE** Writing 420, Diction Writing 430, Active and Passive Voice
HISET-RLA-W-ESS-D-1	**Language Arts - Writing**	**RLA-W-ESS-D-1**	Grammar.	Essay: D. Writing Conventions	**CCRS:** L.11-12.1	**Pre-HSE** Writing 120, Subject-Verb Agreement Writing 140, Pronoun Reference and Agreement Writing 160, Verb Tense Consistency
HISET-RLA-W-ESS-D-2	**Language Arts - Writing**	**RLA-W-ESS-D-2**	Usage.	Essay: D. Writing Conventions	**CCRS:** L.11-12.1	**Pre-HSE** Language 240, Nonstandard Usage Writing 200, Common Problem Words Writing 220, Double Negatives
HISET-RLA-W-ESS-D-3	**Language Arts - Writing**	**RLA-W-ESS-D-3**	Mechanics.	Essay: D. Writing Conventions	**CCRS:** L.11-12.2	**Pre-HSE** Language 610, Commas I Language 700, Capitalization Language 800, Proofreading Writing 200, Common Problem Words

HiSET Mathematics (39 items)

Mathematics: Content Categories (33 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-I-1	Mathematics	**MATH-I-1**	Know that there are numbers that are not rational, and approximate them by rational numbers (e.g., identify rational/irrational numbers, locate them between two points on a number line, find sum/product of rational & irrational numbers; is it rational?).	Content: I. Numbers and Operations on Numbers	**Grade level:** D (6th-8th) **CCRS:** 8.NS.1; 8.NS.2; N-RN.3	Pre-HSE Advanced Math 100, Positive and Negative Numbers Advanced Math 140, Roots *Not yet covered: classifying numbers as irrational; approximating a square root between two whole numbers; sums and products of rational and irrational numbers*
HISET-MATH-I-2	Mathematics	**MATH-I-2**	Rewrite expressions involving radicals and rational exponents using the properties of exponents.	Content: I. Numbers and Operations on Numbers	**CCRS:** N-RN.2	Pre-HSE Advanced Math 140, Roots Advanced Math 160, Operations with Variables *Not yet covered: rational exponents and converting between radical and exponent form*
HISET-MATH-I-3	Mathematics	**MATH-I-3**	Solve problems using scientific notation.	Content: I. Numbers and Operations on Numbers	**Grade level:** D (6th-8th) **CCRS:** 8.EE.3; 8.EE.4	Pre-HSE Basic Math 190, Applications Using Whole and Decimal Numbers Advanced Math 130, Exponents HiSET Prep Advanced Math 510, Scientific Calculator
HISET-MATH-I-4	Mathematics	**MATH-I-4**	Reason quantitatively and use units to solve problems.	Content: I. Numbers and Operations on Numbers	**CCRS:** N-Q.1; N-Q.2	Pre-HSE Basic Math 580, Distance, Rate, and Time Problems Basic Math 600, Customary Measurement Basic Math 620, Working With Measurements

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HISET-MATH-I-5	**Mathematics**	**MATH-I-5**	Choose a level of accuracy appropriate to limitations on measurement.	Content: I. Numbers and Operations on Numbers	**CCRS:** N-Q.3	**Pre-HSE** Basic Math 120, Rounding Numbers Basic Math 640, Measuring Distance Basic Math 650, Reading Scales and Gauges Advanced Math 250, Geometric Estimation *Not yet covered: whether a measurement's precision supports a conclusion; reporting to the tool's precision*
HISET-MATH-I-6	**Mathematics**	**MATH-I-6**	Solve multistep real-world and mathematical problems involving rational numbers in any form and proportional relationships (settings may include money, rate, percentage, average, estimation/rounding).	Content: I. Numbers and Operations on Numbers	**Grade level:** D (6th-8th) **CCRS:** 7.EE.3; 7.RP.3	**Pre-HSE** Basic Math 190, Applications Using Whole and Decimal Numbers Basic Math 260, Applications Using Fractions Basic Math 400, Base, Percent, and Percentage Basic Math 410, Ratio and Proportion Basic Math 500, Estimation and Reasonable Answers **HiSET Prep** Advanced Math 333, Variation
HISET-MATH-II-1	**Mathematics**	**MATH-II-1**	Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.	Content: II. Measurement/Geometry	**CCRS:** G-SRT.5	**Pre-HSE** Advanced Math 270, Angles and Special Triangles Advanced Math 272, Congruent and Similar Triangles
HISET-MATH-II-2	**Mathematics**	**MATH-II-2**	Know properties of polygons and circles, including angle measure, central angles, inscribed angles, perimeter, arc length and area of a sector, circumference, and area.	Content: II. Measurement/Geometry	**Grade level:** D (6th-8th) **CCRS:** G-C.2; G-C.5; 7.G.4; 7.G.5; 6.G.1	**Pre-HSE** Advanced Math 200, Geometric Forms and Concepts Advanced Math 205, Protractors Advanced Math 230, Nonrectangular Perimeter and Area Advanced Math 270, Angles and Special Triangles *Not yet covered: central and inscribed angles, arc length and area of a sector; interior-angle sums of polygons*

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-II-3	Mathematics	**MATH-II-3**	Understand and apply the Pythagorean Theorem.	Content: II. Measurement/Geometry	**Grade level:** D (6th-8th) **CCRS:** 8.G.6; 8.G.7; 8.G.8; G-SRT.8	**Pre-HSE** Advanced Math 271, Right Triangles **HiSET Prep** Advanced Math 360, Properties of Lines and Segments
HISET-MATH-II-4	Mathematics	**MATH-II-4**	Understand transformations in the plane, including reflections, translations, rotations, and dilations.	Content: II. Measurement/Geometry	**CCRS:** G-CO.2; G-CO.4; G-CO.5; G-SRT.1; 8.G.1; 8.G.3	**Pre-HSE** Advanced Math 210, Geometric Characteristics *Not yet covered: translations, dilations, coordinate rules, and sequences of transformations*
HISET-MATH-II-5	Mathematics	**MATH-II-5**	Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.	Content: II. Measurement/Geometry	**CCRS:** G-GMD.3	**Pre-HSE** Advanced Math 240, Volume *Not yet covered: volume of pyramids, cones and spheres*
HISET-MATH-II-6	Mathematics	**MATH-II-6**	Apply concepts of density based on area and volume in modeling situations (e.g., persons per square mile, BTUs per cubic foot).	Content: II. Measurement/Geometry	**CCRS:** G-MG.2	**Pre-HSE** Basic Math 410, Ratio and Proportion Advanced Math 230, Nonrectangular Perimeter and Area Advanced Math 240, Volume *Not yet covered: density as a quantity per unit of area or volume (persons per square mile, BTUs per cubic foot)*
HISET-MATH-III-1	Mathematics	**MATH-III-1**	Summarize and interpret data presented verbally, tabularly, and graphically; make predictions and solve problems based on the data. Recognize possible associations and trends in the data.	Content: III. Data Analysis/Probability/Statistics	**CCRS:** S-ID.1; S-ID.5; S-ID.6	**Pre-HSE** Basic Math 510, Interpreting Graphs Basic Math 520, Interpreting Tables and Charts **HiSET Prep** Advanced Math 503, Descriptive Statistics *Not yet covered: two-way frequency tables; box plots*
HISET-MATH-III-2	Mathematics	**MATH-III-2**	Identify line of best fit.	Content: III. Data Analysis/Probability/Statistics	**Grade level:** D (6th-8th) **CCRS:** S-ID.6; 8.SP.2	**HiSET Prep** Advanced Math 503, Descriptive Statistics
HISET-MATH-III-3	Mathematics	**MATH-III-3**	Find the probabilities of single and compound events.	Content: III. Data Analysis/Probability/Statistics	**CCRS:** 7.SP.8; S-CP.2; S-CP.7	**Pre-HSE** Basic Math 420, Probability I Basic Math 430, Probability II **HiSET Prep** Advanced Math 500, Sets

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HISET-MATH-III-4	Mathematics	**MATH-III-4**	Approximate the probability of a chance event, and develop a probability model and use it to find probabilities of events.	Content: III. Data Analysis/Probability/Statistics	**Grade level:** D (6th-8th) **CCRS:** 7.SP.6; 7.SP.7	**Pre-HSE** Basic Math 420, Probability I Basic Math 430, Probability II
HISET-MATH-III-5	Mathematics	**MATH-III-5**	Use measures of center (mean) to draw inferences about populations including summarizing numerical data sets and calculation of measures of center.	Content: III. Data Analysis/Probability/Statistics	**Grade level:** D (6th-8th) **CCRS:** 7.SP.4; 6.SP.5c; S-ID.2	**Pre-HSE** Basic Math 440, Statistics **HiSET Prep** Advanced Math 503, Descriptive Statistics
HISET-MATH-III-6	Mathematics	**MATH-III-6**	Understand how to use statistics to gain information about a population, generalizing information about a population from a sample of the population.	Content: III. Data Analysis/Probability/Statistics	**Grade level:** D (6th-8th) **CCRS:** 7.SP.1; S-IC.1	**Pre-HSE** Basic Math 450, Data Collection and Analysis
HISET-MATH-IV-1	Mathematics	**MATH-IV-1**	Interpret parts of an expression, such as terms, factors, and coefficients in terms of its context.	Content: IV. Algebraic Concepts	**CCRS:** A-SSE.1	**Pre-HSE** Advanced Math 150, Variables **HiSET Prep** Advanced Math 300, Expressions and Equations Advanced Math 400, Adding and Subtracting Polynomials
HISET-MATH-IV-2	Mathematics	**MATH-IV-2**	Perform arithmetic operations on polynomials and rational expressions.	Content: IV. Algebraic Concepts	**CCRS:** A-APR.1; A-APR.6	**Pre-HSE** Advanced Math 160, Operations with Variables **HiSET Prep** Advanced Math 400, Adding and Subtracting Polynomials Advanced Math 410, Multiplying Polynomials Advanced Math 430, Dividing Polynomials *Not yet covered: dividing a polynomial by a binomial*
HISET-MATH-IV-3	Mathematics	**MATH-IV-3**	Write expressions in equivalent forms to solve problems. Factor a quadratic expression to reveal the zeros of the function it defines.	Content: IV. Algebraic Concepts	**CCRS:** A-SSE.3	**HiSET Prep** Advanced Math 420, Factoring Polynomials Advanced Math 440, Solving Quadratic Equations

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-IV-4	**Mathematics**	**MATH-IV-4**	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	Content: IV. Algebraic Concepts	**CCRS:** A-REI.3	**HiSET Prep** Advanced Math 310, Algebraic Properties Advanced Math 320, Solving One-Step Equations Advanced Math 330, Solving Two-Step Equations Advanced Math 340, Solving Inequalities *Not yet covered: equations with the variable on both sides; letter coefficients*
HISET-MATH-IV-5	**Mathematics**	**MATH-IV-5**	Solve quadratic equations in one variable.	Content: IV. Algebraic Concepts	**CCRS:** A-REI.4	**HiSET Prep** Advanced Math 420, Factoring Polynomials Advanced Math 440, Solving Quadratic Equations
HISET-MATH-IV-6	**Mathematics**	**MATH-IV-6**	Solve simple rational and radical equations in one variable.	Content: IV. Algebraic Concepts	**CCRS:** A-REI.2	**Pre-HSE** Advanced Math 140, Roots Advanced Math 160, Operations with Variables *Not yet covered: solving equations with a variable under a radical or in a denominator; extraneous solutions*
HISET-MATH-IV-7	**Mathematics**	**MATH-IV-7**	Solve systems of equations.	Content: IV. Algebraic Concepts	**Grade level:** D (6th-8th) **CCRS:** A-REI.5; A-REI.6; A-REI.7; 8.EE.8	**HiSET Prep** Advanced Math 370, Graphs of Linear Equations Advanced Math 390, Systems of Equations Advanced Math 509, Applied Algebraic Concepts
HISET-MATH-IV-8	**Mathematics**	**MATH-IV-8**	Represent and solve equations and inequalities graphically.	Content: IV. Algebraic Concepts	**CCRS:** A-REI.10; A-REI.11; A-REI.12	**HiSET Prep** Advanced Math 350, Cartesian Coordinates Advanced Math 370, Graphs of Linear Equations Advanced Math 376, Graphing Linear Inequalities Advanced Math 390, Systems of Equations Advanced Math 509, Applied Algebraic Concepts

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-IV-9	**Mathematics**	**MATH-IV-9**	Create equations and inequalities to represent relationships and use them to solve problems.	Content: IV. Algebraic Concepts	**CCRS:** A-CED.1; A-CED.2	**HiSET Prep** Advanced Math 300, Expressions and Equations Advanced Math 333, Variation Advanced Math 340, Solving Inequalities Advanced Math 450, Solving Word Problems Advanced Math 509, Applied Algebraic Concepts
HISET-MATH-IV-10	**Mathematics**	**MATH-IV-10**	Rearrange formulas/equations to highlight a quantity of interest.	Content: IV. Algebraic Concepts	**CCRS:** A-CED.4	**Pre-HSE** Basic Math 580, Distance, Rate, and Time Problems **HiSET Prep** Advanced Math 330, Solving Two-Step Equations Lessons in Things 130, Basic Electricity and Circuits *Not yet covered: solving a general formula for a given variable (literal equations)*
HISET-MATH-IV-11	**Mathematics**	**MATH-IV-11**	Understand function concept & notation; interpret key features of graphs and tables in terms of quantities. Evaluate functions for inputs in domain; interpret statements using function notation in context. Write function describing a 2-quantity relation.	Content: IV. Algebraic Concepts	**CCRS:** F-IF.1; F-IF.2; F-IF.4; F-BF.1	**HiSET Prep** Advanced Math 370, Graphs of Linear Equations Advanced Math 373, Functions and Relations Advanced Math 380, Determining the Equation of a Line Advanced Math 509, Applied Algebraic Concepts *Not yet covered: key features of nonlinear graphs: intervals of increase/decrease, maximum/minimum, symmetry, end behavior*
HISET-MATH-IV-12	**Mathematics**	**MATH-IV-12**	Understand domain and range of a function.	Content: IV. Algebraic Concepts	**CCRS:** F-IF.1; F-IF.5	**HiSET Prep** Advanced Math 373, Functions and Relations

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-IV-13	**Mathematics**	**MATH-IV-13**	Write a function that describes a relationship between two quantities, including arithmetic and geometric sequences both recursively and with an explicit formula; use them to model situations, and translate between the two forms.	Content: IV. Algebraic Concepts	**CCRS:** F-BF.1; F-BF.2	**HiSET Prep** Advanced Math 373, Functions and Relations Lessons in Things 250, The Golden Ratio in Nature *Not yet covered: arithmetic and geometric sequences, recursive and explicit formulas; writing a function from a relationship*
HISET-MATH-IV-14	**Mathematics**	**MATH-IV-14**	Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.	Content: IV. Algebraic Concepts	**CCRS:** A-REI.1	**HiSET Prep** Advanced Math 280, Geometric Reasoning and Proof Advanced Math 310, Algebraic Properties Advanced Math 320, Solving One-Step Equations Advanced Math 330, Solving Two-Step Equations
HISET-MATH-IV-15	**Mathematics**	**MATH-IV-15**	Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate rate of change from a graph.	Content: IV. Algebraic Concepts	**CCRS:** F-IF.6	**HiSET Prep** Advanced Math 360, Properties of Lines and Segments *Not yet covered: average rate of change of a nonlinear function over an interval*

Mathematics: Process Categories (6 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-P-A-1	**Mathematics**	**MATH-P-A-1**	Select appropriate procedures.	Process: A. Understand mathematical concepts and procedures	**CCRS:** MP.1; MP.5	**HiSET Prep** Advanced Math 390, Systems of Equations Advanced Math 440, Solving Quadratic Equations Advanced Math 450, Solving Word Problems
HISET-MATH-P-A-2	**Mathematics**	**MATH-P-A-2**	Identify examples and counterexamples of concepts.	Process: A. Understand mathematical concepts and procedures	**CCRS:** MP.3	**HiSET Prep** Advanced Math 280, Geometric Reasoning and Proof Advanced Math 310, Algebraic Properties *Not yet covered: counterexamples*

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-MATH-P-B-1	**Mathematics**	**MATH-P-B-1**	Make inferences or predictions based on data or information.	Process: B. Analyze and interpret information	**CCRS:** S-IC.1; S-ID.6	**Pre-HSE** Basic Math 450, Data Collection and Analysis Basic Math 510, Interpreting Graphs **HiSET Prep** Advanced Math 503, Descriptive Statistics
HISET-MATH-P-B-2	**Mathematics**	**MATH-P-B-2**	Interpret data from a variety of sources.	Process: B. Analyze and interpret information	**CCRS:** S-ID.1; MP.4	**Pre-HSE** Basic Math 510, Interpreting Graphs Basic Math 520, Interpreting Tables and Charts **HiSET Prep** Advanced Math 503, Descriptive Statistics
HISET-MATH-P-C-1	**Mathematics**	**MATH-P-C-1**	Reason quantitatively.	Process: C. Synthesize data and solve problems	**CCRS:** MP.2; N-Q.1	**Pre-HSE** Basic Math 580, Distance, Rate, and Time Problems Basic Math 620, Working With Measurements **HiSET Prep** Advanced Math 450, Solving Word Problems
HISET-MATH-P-C-2	**Mathematics**	**MATH-P-C-2**	Evaluate the reasonableness of solutions.	Process: C. Synthesize data and solve problems	**CCRS:** MP.1	**Pre-HSE** Basic Math 500, Estimation and Reasonable Answers Advanced Math 250, Geometric Estimation **HiSET Prep** Advanced Math 450, Solving Word Problems

HiSET Science (12 items)

Science: Content Categories (3 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SCI-CONT-I	Science	**SCI-CONT-I**	Life science topics may include fundamental biological concepts, including organisms, their environments, and their life cycles; the interdependence of organisms; and the relationships between structure and function in living systems.	Content: I. Life science	**CCRS:** —	**HiSET Prep** Science 501, The Cell and Life Science 510, Heredity Science 511, The Theory of Biological Evolution Science 521, Plants, Animals, and Viruses Science 530, Ecosystems Science 540, The Human Body Lessons in Things 215, Bees Lessons in Things 220, Mycology of the Forest Floor
HISET-SCI-CONT-II	Science	**SCI-CONT-II**	Physical science topics may include observable properties such as size, weight, shape, color, and temperature; concepts relating to the position and motion of objects; and the principles of light, heat, electricity, and magnetism.	Content: II. Physical science	**CCRS:** —	**HiSET Prep** Science 300, Matter Science 330, Compounds Science 340, Chemical Reactions Science 400, Introduction to Physics Science 410, Work and Power Science 420, Electricity and Magnetism Science 430, Waves and Forces in Fluids Science 440, Heat Lessons in Things 130, Basic Electricity and Circuits Lessons in Things 240, The Sound of Green
HISET-SCI-CONT-III	Science	**SCI-CONT-III**	Earth science topics may include properties of earth materials, geologic structures and time, and Earth's movements in the solar system.	Content: III. Earth science	**CCRS:** —	**HiSET Prep** Science 601, The Universe Science 602, The Solar System Science 610, History of Earth Science 611, Plate Tectonics Science 612, Geologic Processes Science 620, Water Cycles and the Ocean Science 621, Weather and Climate

Science: Process Categories (9 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SCI-P-A-1	Science	**SCI-P-A-1**	Interpret observed data or information.	Process: A. Interpret and apply	**Grade level:** D (6th-8th) **CCRS:** RST.11-12.7; RST.6-8.7; S-ID.1	Pre-HSE Reading 440, Diagrams and Graphs Reading 445, Tables and Charts HiSET Prep Science 220, Observing Reading Passages 1000s
HISET-SCI-P-A-2	Science	**SCI-P-A-2**	Apply scientific principles.	Process: A. Interpret and apply	**CCRS:** RST.11-12.9	HiSET Prep Science 100, Critical Thinking Science 200, What is Science? Science 210, Scientific Inquiry Lessons in Things 130, Basic Electricity and Circuits Reading Passages 1000s
HISET-SCI-P-B-1	Science	**SCI-P-B-1**	Discern an appropriate research question suggested by the information presented.	Process: B. Analyze	**CCRS:** WHST.11-12.7	HiSET Prep Science 210, Scientific Inquiry Science 211, Investigations and Experiments Reading Passages 1000s
HISET-SCI-P-B-2	Science	**SCI-P-B-2**	Identify reasons for a procedure and analyze limitations.	Process: B. Analyze	**CCRS:** RST.11-12.3; RST.11-12.8; S-IC.3	HiSET Prep Science 210, Scientific Inquiry Science 211, Investigations and Experiments Reading Passages 1000s
HISET-SCI-P-B-3	Science	**SCI-P-B-3**	Select the best procedure.	Process: B. Analyze	**CCRS:** S-IC.3; RST.11-12.3	HiSET Prep Science 210, Scientific Inquiry Science 211, Investigations and Experiments Reading Passages 1000s
HISET-SCI-P-C-1	Science	**SCI-P-C-1**	Distinguish among hypotheses, assumptions, data, and conclusions.	Process: C. Evaluate and generalize	**CCRS:** RST.11-12.8; RST.6-8.8	HiSET Prep Science 100, Critical Thinking Science 210, Scientific Inquiry Science 220, Observing Lessons in Things 220, Mycology of the Forest Floor Reading Passages 1000s

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SCI-P-C-2	**Science**	**SCI-P-C-2**	Judge the basis of information for a given conclusion.	Process: C. Evaluate and generalize	**CCRS:** RST.11-12.8; S-IC.6	**Pre-HSE** Reading 230, Conclusions and Generalizations **HiSET Prep** Science 100, Critical Thinking Science 211, Investigations and Experiments Lessons in Things 220, Mycology of the Forest Floor Lessons in Things 250, The Golden Ratio in Nature Reading Passages 1000s…
HISET-SCI-P-C-3	**Science**	**SCI-P-C-3**	Determine relevance for answering a question.	Process: C. Evaluate and generalize	**CCRS:** RST.11-12.9; WHST.11-12.8	**Pre-HSE** Reading 202, Reading Strategies: Unit 2 **HiSET Prep** Science 100, Critical Thinking Science 210, Scientific Inquiry Reading Passages 1000s
HISET-SCI-P-C-4	**Science**	**SCI-P-C-4**	Judge the reliability of sources.	Process: C. Evaluate and generalize	**CCRS:** WHST.11-12.8; RST.11-12.8	**Pre-HSE** Reading 460, Using Information Sources Reading 470, Research and Research Projects **HiSET Prep** Lessons in Things 250, The Golden Ratio in Nature Reading Passages 1000s

HiSET Social Studies (12 items)

Social Studies: Content Categories (4 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SS-CONT-I	Social Studies	**SS-CONT-I**	History content includes historical sources & perspectives; interconnections among past, present, and future; and specific eras in U.S. and world history, including key people, political, economic, and cultural characteristics of those eras.	Content: I. History	**CCRS:** —	**HiSET Prep** Social Studies 350, World War I and its Aftermath Social Studies 351, World War II and its Aftermath Social Studies 400, Colonial America Social Studies 440, American Unrest Social Studies 450, The Civil War Social Studies 460, A Growing Nation Social Studies 470, World War I and Its Aftermath Social Studies 480, The Cold War
HISET-SS-CONT-II	Social Studies	**SS-CONT-II**	Civics/Gov content includes civic ideals & citizenship practices in a democratic society; role & meaning of informed citizen; power & authority; purposes & traits of governance systems (esp. U.S.); how individual rights & duties relate to a just society.	Content: II. Civics/Government	**CCRS:** —	**HiSET Prep** Social Studies 500, The Constitution Social Studies 510, Branches of Government Social Studies 520, Political Systems and Governments Social Studies 530, U.S. Citizenship
HISET-SS-CONT-III	Social Studies	**SS-CONT-III**	Economics content includes principles of supply and demand, difference between needs and wants, impact of technology on economics, interdependent nature of economies, and how the economy is affected by governments and varies over time.	Content: III. Economics	**CCRS:** —	**HiSET Prep** Social Studies 600, Basic Economics Social Studies 610, Economic Systems Social Studies 620, Financial and Economic Institutions
HISET-SS-CONT-IV	Social Studies	**SS-CONT-IV**	Geography content includes concepts & terminology of physical and human geography; concepts to analyze spatial phenomena and economic, political, and social factors; interpretation of maps, visual and tech tools, and case studies analysis.	Content: IV. Geography	**CCRS:** —	**HiSET Prep** Social Studies 100, Using Geographic Tools Social Studies 130, Physical Characteristics Social Studies 140, Geography and Humans Social Studies 210, Settlement and Expansion

Social Studies: Process Categories (8 items)

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SS-P-A-1	Social Studies	**SS-P-A-1**	Make inferences or predictions based on data or other information.	Process: A. Interpret and apply	**CCRS:** RH.11-12.1; RH.11-12.7	**Pre-HSE** Reading 230, Conclusions and Generalizations Reading 440, Diagrams and Graphs Reading 445, Tables and Charts **HiSET Prep** Reading Passages 1000s
HISET-SS-P-A-2	Social Studies	**SS-P-A-2**	Infer unstated relationships.	Process: A. Interpret and apply	**CCRS:** RH.11-12.1; RH.11-12.3	**Pre-HSE** Reading 230, Conclusions and Generalizations Reading 241, Cause and Effect: Unit 1 **HiSET Prep** Reading Passages 1000s
HISET-SS-P-A-3	Social Studies	**SS-P-A-3**	Extend conclusions to related phenomena.	Process: A. Interpret and apply	**CCRS:** RH.11-12.9	**Pre-HSE** Reading 230, Conclusions and Generalizations **HiSET Prep** Reading Passages 1100s
HISET-SS-P-B-1	Social Studies	**SS-P-B-1**	Distinguish among facts, opinions, and values.	Process: B. Analyze	**CCRS:** RH.6-8.8; RH.11-12.6	**Pre-HSE** Reading 251, Fact and Opinion: Unit 1 Reading 252, Fact and Opinion: Unit 2 **HiSET Prep** Lessons in Things 340, How to Have a Hard Conversation Reading Passages 1100s
HISET-SS-P-B-2	Social Studies	**SS-P-B-2**	Recognize the author's purpose, assumptions, and arguments.	Process: B. Analyze	**CCRS:** RH.11-12.6; RH.11-12.8	**Pre-HSE** Reading 260, Writer's Purpose Reading 470, Research and Research Projects **HiSET Prep** Lessons in Things 325, Logical Lorem Ipsum Reading Passages 1100s
HISET-SS-P-C-1	Social Studies	**SS-P-C-1**	Determine the adequacy of information for reaching conclusions.	Process: C. Evaluate and generalize	**CCRS:** RH.11-12.8; RH.11-12.1	**Pre-HSE** Reading 202, Reading Strategies: Unit 2 Reading 230, Conclusions and Generalizations **HiSET Prep** Lessons in Things 220, Mycology of the Forest Floor Reading Passages 1100s

ID	Subject	Target	Descriptor	Score Report Category	Diagnostic Skill	Pace Prescription
HISET-SS-P-C-2	**Social Studies**	**SS-P-C-2**	Judge the validity of conclusions.	Process: C. Evaluate and generalize	**CCRS:** RH.11-12.8; RH.11-12.3	**Pre-HSE** Reading 230, Conclusions and Generalizations Reading 260, Writer's Purpose **HiSET Prep** Lessons in Things 250, The Golden Ratio in Nature Reading Passages 1100s
HISET-SS-P-C-3	**Social Studies**	**SS-P-C-3**	Compare and contrast the reliability of sources.	Process: C. Evaluate and generalize	**CCRS:** RH.11-12.6; RH.11-12.9; WHST.11-12.8	**Pre-HSE** Reading 251, Fact and Opinion: Unit 1 Reading 460, Using Information Sources Reading 470, Research and Research Projects **HiSET Prep** Reading Passages 1200s