

Grade 11 Homeschool Plan

Advance college-ready analysis through function modeling, American literature, physics, and U.S. history.

36 weeks Suggested full-year sequence	4 core subjects Math, ELA, science, social studies	Flexible Fridays Review, projects, field trips, catch-up	Printable-friendly Worksheets, notes, and progress checks
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PLAN AT A GLANCE		HOW TO USE THIS PLAN	
Grade band	High School (9-12)	1 Preview the quarter: Skim the next nine weeks and gather books, printables, and simple materials.	
Suggested daily time	5-6 hours of academics, plus elective, test prep, or dual enrollment	2 Teach the weekly focus: Use the topic as a learning target, then select practice at the student's level.	
Core course path	Algebra II, English 3, Physics, U.S. History	3 Keep evidence: Save a few work samples, reading notes, lab pages, and project photos.	
Assessment rhythm	End-of-unit checks plus four quarterly reviews	4 Adjust without guilt: Repeat, shorten, reorder, or skip material when the learner's needs call for it.	
Recommended pace	Four focused learning days and one flexible day each week		

SUGGESTED WEEKLY RHYTHM

Monday	Tuesday	Wednesday	Thursday	Friday
Introduce and model	Guided practice	Apply and discuss	Check mastery and extend	Project, review, catch-up, or field trip

Planning note: *This is a flexible, standards-informed sequence - not a state-certified curriculum, legal filing, or guarantee of credit. Verify homeschool, attendance, assessment, and graduation rules where you live.*

Quarter 1 | Weeks 1-9

Two four-week learning units plus a review and showcase week. Weeks 1-9.

MATH FOCUS		ELA FOCUS		SCIENCE FOCUS		SOCIAL STUDIES FOCUS	
Function families and modeling / Quadratics and complex numbers		American voices and foundational rhetoric / Romanticism and transcendentalism		Measurement, vectors, and motion / Forces and Newton laws		Indigenous America, colonization, and context / Revolution, Constitution, and early republic	
Week	Math	English / ELA	Science	Social Studies	Family / Project		
1	Explore & model: Function families and modeling	Read & notice: American voices and foundational rhetoric	Observe & question: Measurement, vectors, and motion	Ask & source: Indigenous America, colonization, and context	Plan: Function Modeling Portfolio		
2	Guided practice: Function families and modeling	Discuss & practice: American voices and foundational rhetoric	Investigate & model: Measurement, vectors, and motion	Map/timeline & analyze: Indigenous America, colonization, and context	Build: Function Modeling Portfolio		
3	Apply & solve: Function families and modeling	Write & apply: American voices and foundational rhetoric	Explain from evidence: Measurement, vectors, and motion	Compare perspectives: Indigenous America, colonization, and context	Refine: Function Modeling Portfolio		
4	Mastery check: Function families and modeling	Conference & extend: American voices and foundational rhetoric	Reflect & design: Measurement, vectors, and motion	Communicate & connect: Indigenous America, colonization, and context	Share: Function Modeling Portfolio		
5	Explore & model: Quadratics and complex numbers	Read & notice: Romanticism and transcendentalism	Observe & question: Forces and Newton laws	Ask & source: Revolution, Constitution, and early republic	Plan: Founding Rhetoric Analysis		
6	Guided practice: Quadratics and complex numbers	Discuss & practice: Romanticism and transcendentalism	Investigate & model: Forces and Newton laws	Map/timeline & analyze: Revolution, Constitution, and early republic	Build: Founding Rhetoric Analysis		
7	Apply & solve: Quadratics and complex numbers	Write & apply: Romanticism and transcendentalism	Explain from evidence: Forces and Newton laws	Compare perspectives: Revolution, Constitution, and early republic	Refine: Founding Rhetoric Analysis		
8	Mastery check: Quadratics and complex numbers	Conference & extend: Romanticism and transcendentalism	Reflect & design: Forces and Newton laws	Communicate & connect: Revolution, Constitution, and early republic	Share: Founding Rhetoric Analysis		
9	Spiral review, fluency check, and applied task	Portfolio check, reading conference, and polished writing	Concept map, evidence explanation, and investigation reflection	Source analysis, map/timeline review, and discussion	Quarter showcase, goal reset, and flexible catch-up		
KEEP Which routines and resources worked well?		ADJUST Which skill needs more time or a different approach?		CELEBRATE Choose one work sample that shows meaningful growth.			

Quarter 2 | Weeks 10-18

Two four-week learning units plus a review and showcase week. Weeks 10-18.

MATH FOCUS		ELA FOCUS		SCIENCE FOCUS		SOCIAL STUDIES FOCUS	
Polynomial functions and equations / Rational and radical functions		Realism, regionalism, and social critique / Harlem Renaissance and modern voices		Work, energy, and power / Momentum and collisions		Expansion, reform, and sectional conflict / Civil War and Reconstruction	
Week	Math	English / ELA	Science	Social Studies	Family / Project		
10	Explore & model: Polynomial functions and equations	Read & notice: Realism, regionalism, and social critique	Observe & question: Work, energy, and power	Ask & source: Expansion, reform, and sectional conflict	Plan: Motion and Forces Investigation		
11	Guided practice: Polynomial functions and equations	Discuss & practice: Realism, regionalism, and social critique	Investigate & model: Work, energy, and power	Map/timeline & analyze: Expansion, reform, and sectional conflict	Build: Motion and Forces Investigation		
12	Apply & solve: Polynomial functions and equations	Write & apply: Realism, regionalism, and social critique	Explain from evidence: Work, energy, and power	Compare perspectives: Expansion, reform, and sectional conflict	Refine: Motion and Forces Investigation		
13	Mastery check: Polynomial functions and equations	Conference & extend: Realism, regionalism, and social critique	Reflect & design: Work, energy, and power	Communicate & connect: Expansion, reform, and sectional conflict	Share: Motion and Forces Investigation		
14	Explore & model: Rational and radical functions	Read & notice: Harlem Renaissance and modern voices	Observe & question: Momentum and collisions	Ask & source: Civil War and Reconstruction	Plan: Primary-Source History Inquiry		
15	Guided practice: Rational and radical functions	Discuss & practice: Harlem Renaissance and modern voices	Investigate & model: Momentum and collisions	Map/timeline & analyze: Civil War and Reconstruction	Build: Primary-Source History Inquiry		
16	Apply & solve: Rational and radical functions	Write & apply: Harlem Renaissance and modern voices	Explain from evidence: Momentum and collisions	Compare perspectives: Civil War and Reconstruction	Refine: Primary-Source History Inquiry		
17	Mastery check: Rational and radical functions	Conference & extend: Harlem Renaissance and modern voices	Reflect & design: Momentum and collisions	Communicate & connect: Civil War and Reconstruction	Share: Primary-Source History Inquiry		
18	Spiral review, fluency check, and applied task	Portfolio check, reading conference, and polished writing	Concept map, evidence explanation, and investigation reflection	Source analysis, map/timeline review, and discussion	Quarter showcase, goal reset, and flexible catch-up		
KEEP Which routines and resources worked well?		ADJUST Which skill needs more time or a different approach?		CELEBRATE Choose one work sample that shows meaningful growth.			

Quarter 3 | Weeks 19-27

Two four-week learning units plus a review and showcase week. Weeks 19-27.

MATH FOCUS		ELA FOCUS		SCIENCE FOCUS		SOCIAL STUDIES FOCUS	
Exponential and logarithmic functions / Sequences, series, and recursive models		Modernism, war, and shifting perspectives / Contemporary literature and media		Waves, sound, and light / Electricity and circuits		Industry, immigration, and Progressive reform / World wars, Depression, and U.S. power	
Week	Math	English / ELA	Science	Social Studies	Family / Project		
19	Explore & model: Exponential and logarithmic functions	Read & notice: Modernism, war, and shifting perspectives	Observe & question: Waves, sound, and light	Ask & source: Industry, immigration, and Progressive reform	Plan: American Literature Podcast		
20	Guided practice: Exponential and logarithmic functions	Discuss & practice: Modernism, war, and shifting perspectives	Investigate & model: Waves, sound, and light	Map/timeline & analyze: Industry, immigration, and Progressive reform	Build: American Literature Podcas		
21	Apply & solve: Exponential and logarithmic functions	Write & apply: Modernism, war, and shifting perspectives	Explain from evidence: Waves, sound, and light	Compare perspectives: Industry, immigration, and Progressive reform	Refine: American Literature Podcast		
22	Mastery check: Exponential and logarithmic functions	Conference & extend: Modernism, war, and shifting perspectives	Reflect & design: Waves, sound, and light	Communicate & connect: Industry, immigration, and Progressive reform	Share: American Literature Podcast		
23	Explore & model: Sequences, series, and recursive models	Read & notice: Contemporary literature and media	Observe & question: Electricity and circuits	Ask & source: World wars, Depression, and U.S. power	Plan: Electricity Engineering Build		
24	Guided practice: Sequences, series, and recursive models	Discuss & practice: Contemporary literature and media	Investigate & model: Electricity and circuits	Map/timeline & analyze: World wars, Depression, and U.S. power	Build: Electricity Engineering Build		
25	Apply & solve: Sequences, series, and recursive models	Write & apply: Contemporary literature and media	Explain from evidence: Electricity and circuits	Compare perspectives: World wars, Depression, and U.S. power	Refine: Electricity Engineering Build		
26	Mastery check: Sequences, series, and recursive models	Conference & extend: Contemporary literature and media	Reflect & design: Electricity and circuits	Communicate & connect: World wars, Depression, and U.S. power	Share: Electricity Engineering Build		
27	Spiral review, fluency check, and applied task	Portfolio check, reading conference, and polished writing	Concept map, evidence explanation, and investigation reflection	Source analysis, map/timeline review, and discussion	Quarter showcase, goal reset, and flexible catch-up		
KEEP Which routines and resources worked well?		ADJUST Which skill needs more time or a different approach?		CELEBRATE Choose one work sample that shows meaningful growth.			

Quarter 4 | Weeks 28-36

Two four-week learning units plus a review and showcase week. Weeks 28-36.

MATH FOCUS		ELA FOCUS		SCIENCE FOCUS		SOCIAL STUDIES FOCUS	
Trigonometric functions and identities / Statistics, probability, and Algebra II synthesis		Argument, research, and synthesis / Extended literature study and portfolio		Magnetism and modern physics / Engineering design and physics capstone		Cold War, civil rights, and social change / Contemporary U.S., civics, and inquiry	
Week	Math	English / ELA	Science	Social Studies	Family / Project		
28	Explore & model: Trigonometric functions and identities	Read & notice: Argument, research, and synthesis	Observe & question: Magnetism and modern physics	Ask & source: Cold War, civil rights, and social change	Plan: Policy Research Paper		
29	Guided practice: Trigonometric functions and identities	Discuss & practice: Argument, research, and synthesis	Investigate & model: Magnetism and modern physics	Map/timeline & analyze: Cold War, civil rights, and social change	Build: Policy Research Paper		
30	Apply & solve: Trigonometric functions and identities	Write & apply: Argument, research, and synthesis	Explain from evidence: Magnetism and modern physics	Compare perspectives: Cold War, civil rights, and social change	Refine: Policy Research Paper		
31	Mastery check: Trigonometric functions and identities	Conference & extend: Argument, research, and synthesis	Reflect & design: Magnetism and modern physics	Communicate & connect: Cold War, civil rights, and social change	Share: Policy Research Paper		
32	Explore & model: Statistics, probability, and Algebra II synthesis	Read & notice: Extended literature study and portfolio	Observe & question: Engineering design and physics capstone	Ask & source: Contemporary U.S., civics, and inquiry	Plan: Grade 11 College-Readiness Capstone		
33	Guided practice: Statistics, probability, and Algebra II synthesis	Discuss & practice: Extended literature study and portfolio	Investigate & model: Engineering design and physics capstone	Map/timeline & analyze: Contemporary U.S., civics, and inquiry	Build: Grade 11 College-Readiness Capstone		
34	Apply & solve: Statistics, probability, and Algebra II synthesis	Write & apply: Extended literature study and portfolio	Explain from evidence: Engineering design and physics capstone	Compare perspectives: Contemporary U.S., civics, and inquiry	Refine: Grade 11 College-Readiness Capstone		
35	Mastery check: Statistics, probability, and Algebra II synthesis	Conference & extend: Extended literature study and portfolio	Reflect & design: Engineering design and physics capstone	Communicate & connect: Contemporary U.S., civics, and inquiry	Share: Grade 11 College-Readiness Capstone		
36	Spiral review, fluency check, and applied task	Portfolio check, reading conference, and polished writing	Concept map, evidence explanation, and investigation reflection	Source analysis, map/timeline review, and discussion	Quarter showcase, goal reset, and flexible catch-up		
KEEP Which routines and resources worked well?		ADJUST Which skill needs more time or a different approach?		CELEBRATE Choose one work sample that shows meaningful growth.			

Teaching Routine, Progress Tracker, and Resources

Use this page throughout the year; print extra copies of the tracker as needed.

A SIMPLE DAILY LEARNING BLOCK

1. Warm up	5-15 min	Quick review, read-aloud, mental math, or vocabulary.
2. Teach	15-35 min	Model one clear objective with examples, text, or demonstration.
3. Practice	15-45 min	Use online skills, discussion, writing, lab work, or a printable.
4. Apply	10-35 min	Solve, explain, create, investigate, compare, or teach it back.
5. Record	2-5 min	Mark progress and save one useful piece of evidence when appropriate.

ADAPT THE PLAN TO THE LEARNER

When work is too hard: Reduce the amount, model more examples, use concrete materials, and revisit prerequisites.

When work is too easy: Compact repeated practice, ask for deeper explanations, and add authentic projects or advanced text.

For attention or stamina: Use shorter blocks, movement breaks, choice, timers, and a visible checklist.

For reading support: Read directions aloud, use audio plus print, preteach vocabulary, and accept oral responses when appropriate.

For advanced independence: Let the student plan part of the week, select resources, track data, and lead conferences.

QUARTERLY PROGRESS TRACKER

Checkpoint	Math	ELA	Science	Social Studies	Portfolio evidence	Next priority
Week 9	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit		
Week 18	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit		
Week 27	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit		
Week 36	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit	[] On track [] Revisit		

FREE K-12 PRACTICE RESOURCES

[Free K-12 Practice home](#) | [Math practice](#) | [English / ELA practice](#) | [Science practice](#) | [Social studies practice](#) | [Printable worksheets](#)

STANDARDS AND LOCAL REQUIREMENTS

[Common Core mathematics and ELA](#) | [Next Generation Science Standards](#) | [C3 Framework for Social Studies](#)

Frameworks describe learning expectations; families should verify state-specific content, attendance, testing, recordkeeping, and graduation rules.