Grade 9 Homeschool Plan

Establish high-school study habits through foundational algebra, biology, literary analysis, and global inquiry.

36 weeks	4 core subjects	Flexible Fridays	Printable-friendly
Suggested full-year sequence	Math, ELA, science, social studies	Review, projects, field trips, catch-up	Worksheets, notes, and progress checks

PLAN AT A GLANCE

Grade band	High School (9-12)
Suggested daily time	5-6 hours of academics, plus elective or world-language study
Core course path	Algebra I, English 1, Biology, World Geography/History
Assessment rhythm	End-of-unit checks plus four quarterly reviews
Recommended pace	Four focused learning days and one flexible day each week

HOW TO USE THIS PLAN

1 **Preview the quarter:** Skim the next nine weeks and gather books, printables, and simple materials.

2 **Teach the weekly focus:** Use the topic as a learning target, then select practice at the student's level.

3 **Keep evidence:** Save a few work samples, reading notes, lab pages, and project photos.

4 **Adjust without guilt:** Repeat, shorten, reorder, or skip material when the learner's needs call for it.

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
Algebra foundations and equations / Linear equations, inequalities, and graphs	Reading routines, grammar, and evidence / Short fiction: character, conflict, and theme	Biology inquiry and experimental design / Biochemistry, cells, and membranes	World geography, culture, and spatial thinking / Early civilizations and classical societies

Week	Math	English / ELA	Science	Social Studies	Family / Project
1	Explore & model: Algebra foundations and equations	Read & notice: Reading routines, grammar, and evidence	Observe & question: Biology inquiry and experimental design	Ask & source: World geography, culture, and spatial thinking	Plan: Learning and Study Systems Plan
2	Guided practice: Algebra foundations and equations	Discuss & practice: Reading routines, grammar, and evidence	Investigate & model: Biology inquiry and experimental design	Map/timeline & analyze: World geography, culture, and spatial thinking	Build: Learning and Study Systems Plan
3	Apply & solve: Algebra foundations and equations	Write & apply: Reading routines, grammar, and evidence	Explain from evidence: Biology inquiry and experimental design	Compare perspectives: World geography, culture, and spatial thinking	Refine: Learning and Study Systems Plan
4	Mastery check: Algebra foundations and equations	Conference & extend: Reading routines, grammar, and evidence	Reflect & design: Biology inquiry and experimental design	Communicate & connect: World geography, culture, and spatial thinking	Share: Learning and Study Systems Plan
5	Explore & model: Linear equations, inequalities, and graphs	Read & notice: Short fiction: character, conflict, and theme	Observe & question: Biochemistry, cells, and membranes	Ask & source: Early civilizations and classical societies	Plan: Linear Function Modeling
6	Guided practice: Linear equations, inequalities, and graphs	Discuss & practice: Short fiction: character, conflict, and theme	Investigate & model: Biochemistry, cells, and membranes	Map/timeline & analyze: Early civilizations and classical societies	Build: Linear Function Modeling
7	Apply & solve: Linear equations, inequalities, and graphs	Write & apply: Short fiction: character, conflict, and theme	Explain from evidence: Biochemistry, cells, and membranes	Compare perspectives: Early civilizations and classical societies	Refine: Linear Function Modeling
8	Mastery check: Linear equations, inequalities, and graphs	Conference & extend: Short fiction: character, conflict, and theme	Reflect & design: Biochemistry, cells, and membranes	Communicate & connect: Early civilizations and classical societies	Share: Linear Function Modeling
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
Functions, domain, range, and notation / Systems of equations and inequalities	Narrative writing and revision / Informational text, rhetoric, and media	Photosynthesis, respiration, and energy / Cell cycle, genetics, and heredity	Belief systems and cultural exchange / Post-classical networks and empires

Week	Math	English / ELA	Science	Social Studies	Family / Project
10	Explore & model: Functions, domain, range, and notation	Read & notice: Narrative writing and revision	Observe & question: Photosynthesis, respiration, and energy	Ask & source: Belief systems and cultural exchange	Plan: Biological Systems Model
11	Guided practice: Functions, domain, range, and notation	Discuss & practice: Narrative writing and revision	Investigate & model: Photosynthesis, respiration, and energy	Map/timeline & analyze: Belief systems and cultural exchange	Build: Biological Systems Model
12	Apply & solve: Functions, domain, range, and notation	Write & apply: Narrative writing and revision	Explain from evidence: Photosynthesis, respiration, and energy	Compare perspectives: Belief systems and cultural exchange	Refine: Biological Systems Model
13	Mastery check: Functions, domain, range, and notation	Conference & extend: Narrative writing and revision	Reflect & design: Photosynthesis, respiration, and energy	Communicate & connect: Belief systems and cultural exchange	Share: Biological Systems Model
14	Explore & model: Systems of equations and inequalities	Read & notice: Informational text, rhetoric, and media	Observe & question: Cell cycle, genetics, and heredity	Ask & source: Post-classical networks and empires	Plan: Civilization Source Study
15	Guided practice: Systems of equations and inequalities	Discuss & practice: Informational text, rhetoric, and media	Investigate & model: Cell cycle, genetics, and heredity	Map/timeline & analyze: Post-classical networks and empires	Build: Civilization Source Study
16	Apply & solve: Systems of equations and inequalities	Write & apply: Informational text, rhetoric, and media	Explain from evidence: Cell cycle, genetics, and heredity	Compare perspectives: Post-classical networks and empires	Refine: Civilization Source Study
17	Mastery check: Systems of equations and inequalities	Conference & extend: Informational text, rhetoric, and media	Reflect & design: Cell cycle, genetics, and heredity	Communicate & connect: Post-classical networks and empires	Share: Civilization Source Study
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
Exponents, radicals, and exponential models / Polynomial operations and factoring	Poetry and drama / Argument writing and debate	Evolution and natural selection / Ecology, populations, and ecosystems	Renaissance, Reformation, and exploration / Revolutions and industrialization

Week	Math	English / ELA	Science	Social Studies	Family / Project
19	Explore & model: Exponents, radicals, and exponential models	Read & notice: Poetry and drama	Observe & question: Evolution and natural selection	Ask & source: Renaissance, Reformation, and exploration	Plan: Rhetorical Media Analysis
20	Guided practice: Exponents, radicals, and exponential models	Discuss & practice: Poetry and drama	Investigate & model: Evolution and natural selection	Map/timeline & analyze: Renaissance, Reformation, and exploration	Build: Rhetorical Media Analysis
21	Apply & solve: Exponents, radicals, and exponential models	Write & apply: Poetry and drama	Explain from evidence: Evolution and natural selection	Compare perspectives: Renaissance, Reformation, and exploration	Refine: Rhetorical Media Analysis
22	Mastery check: Exponents, radicals, and exponential models	Conference & extend: Poetry and drama	Reflect & design: Evolution and natural selection	Communicate & connect: Renaissance, Reformation, and exploration	Share: Rhetorical Media Analysis
23	Explore & model: Polynomial operations and factoring	Read & notice: Argument writing and debate	Observe & question: Ecology, populations, and ecosystems	Ask & source: Revolutions and industrialization	Plan: Genetics or Ecology Investigation
24	Guided practice: Polynomial operations and factoring	Discuss & practice: Argument writing and debate	Investigate & model: Ecology, populations, and ecosystems	Map/timeline & analyze: Revolutions and industrialization	Build: Genetics or Ecology Investigation
25	Apply & solve: Polynomial operations and factoring	Write & apply: Argument writing and debate	Explain from evidence: Ecology, populations, and ecosystems	Compare perspectives: Revolutions and industrialization	Refine: Genetics or Ecology Investigation
26	Mastery check: Polynomial operations and factoring	Conference & extend: Argument writing and debate	Reflect & design: Ecology, populations, and ecosystems	Communicate & connect: Revolutions and industrialization	Share: Genetics or Ecology Investigation
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
Quadratic functions and equations / Statistics, modeling, and Algebra I synthesis	Research, source evaluation, and citation / Extended literature study and portfolio	Human systems and homeostasis / Biotechnology, bioethics, and capstone	Imperialism, world wars, and conflict / Contemporary world and global issues

Week	Math	English / ELA	Science	Social Studies	Family / Project
28	Explore & model: Quadratic functions and equations	Read & notice: Research, source evaluation, and citation	Observe & question: Human systems and homeostasis	Ask & source: Imperialism, world wars, and conflict	Plan: Global Issues Research Brief
29	Guided practice: Quadratic functions and equations	Discuss & practice: Research, source evaluation, and citation	Investigate & model: Human systems and homeostasis	Map/timeline & analyze: Imperialism, world wars, and conflict	Build: Global Issues Research Brief
30	Apply & solve: Quadratic functions and equations	Write & apply: Research, source evaluation, and citation	Explain from evidence: Human systems and homeostasis	Compare perspectives: Imperialism, world wars, and conflict	Refine: Global Issues Research Brief
31	Mastery check: Quadratic functions and equations	Conference & extend: Research, source evaluation, and citation	Reflect & design: Human systems and homeostasis	Communicate & connect: Imperialism, world wars, and conflict	Share: Global Issues Research Brief
32	Explore & model: Statistics, modeling, and Algebra I synthesis	Read & notice: Extended literature study and portfolio	Observe & question: Biotechnology, bioethics, and capstone	Ask & source: Contemporary world and global issues	Plan: Grade 9 Interdisciplinary Capstone
33	Guided practice: Statistics, modeling, and Algebra I synthesis	Discuss & practice: Extended literature study and portfolio	Investigate & model: Biotechnology, bioethics, and capstone	Map/timeline & analyze: Contemporary world and global issues	Build: Grade 9 Interdisciplinary Capstone
34	Apply & solve: Statistics, modeling, and Algebra I synthesis	Write & apply: Extended literature study and portfolio	Explain from evidence: Biotechnology, bioethics, and capstone	Compare perspectives: Contemporary world and global issues	Refine: Grade 9 Interdisciplinary Capstone
35	Mastery check: Statistics, modeling, and Algebra I synthesis	Conference & extend: Extended literature study and portfolio	Reflect & design: Biotechnology, bioethics, and capstone	Communicate & connect: Contemporary world and global issues	Share: Grade 9 Interdisciplinary 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.