Below is a complete, practical 6th-grade (age ~12) learning path covering all common subjects. It gives year-long scope & sequence, key learning objectives, skills to master, suggested timing (4 quarters), sample projects/assessments, resources, and guidance for enrichment/remediation. You can adapt pacing to part-time, full-time, classroom, or homeschool settings.

Overview / approach

- School year length: 36 weeks (4 quarters of ~9 weeks). Adjust pacing for shorter/longer terms.
- Blend skills practice, content knowledge, projects, and assessments. Aim for mastery by competency checks at quarter ends.
- Aligns with common standards (Common Core for ELA/Math, NGSS for Science, C3 for Social Studies) while remaining flexible.
- Use a mix of direct instruction, guided practice, independent work, hands-on labs/projects, and formative checks.

1) English Language Arts (Reading, Writing, Language, Speaking & Listening) Learning goals

- Read grade-level complex texts (fiction & nonfiction), determine theme, analyze characters, cite textual evidence.
- Write clear argumentative, informative/explanatory, and narrative pieces with organization and revision.
- Master grade-level grammar, vocabulary, and conventions.
- Conduct research, present findings, and engage in collaborative discussions.

Yearly sequence (quarterly) Q1: Reading strategies, narrative & short fiction analysis, writing personal narratives, grammar review (sentence types, subject-verb agreement), vocabulary context clues. Q2: Informational texts, main idea & supporting details, writing explanatory essays, research basics (note-taking, credible sources), grammar: clauses & phrases. Q3: Argumentative writing (claims, reasons, evidence), persuasive techniques, comparative reading (multiple texts), vocabulary building (roots, affixes). Q4: Poetry & drama basics, final research project (multisource), presentation skills, editing & publishing.

Key skills

- Close reading & annotation, summarizing, inference, text-dependent analysis.
- Essay structure (thesis, intro, body, conclusion), transitions, paragraph unity.
- Grammar and punctuation for clear writing; spelling strategies.
- Research process and oral presentation skills.

Assessments / projects

- Reading logs & literature journals, book reports, comprehension quizzes.
- 1 narrative, 1 explanatory, 1 argumentative essay; multi-source research project with presentation.
- Grammar/vocab quizzes; timed writing samples; peer review.

Resources

- ReadWorks, CommonLit, Newsela, Epic!, local library, classic MG literature (e.g., Holes, Wonder, The Outsiders excerpts).
- Grammar: NoRedInk, GrammarBytes.
- Writing: Purdue OWL, writing prompts, Google Docs for feedback.

Mastery indicators

- Write organized 4–6 paragraph essays with clear thesis and evidence.
- Accurately analyze grade-level texts and cite evidence.
- Demonstrate mastery of common grammar/conventions and grade-appropriate vocabulary.

2) Mathematics (Number sense, Ratios, Algebraic thinking, Geometry, Data) Learning goals

- Solidify number operations (fractions, decimals, integers), ratio & proportion, basic algebraic expressions & equations, geometry (area, surface area, volume), statistics & probability.

Yearly sequence (quarterly) Q1: Number system—fractions, decimals, factors, multiples, integers, operations with fractions & decimals. Q2: Ratios, rates, percents introduction, proportional reasoning, introductory algebraic expressions and simple equations. Q3: Solving one-step/two-step equations & inequalities, coordinate plane basics, expressions & properties. Q4: Geometry (area, perimeter, surface area, volume), transformations, basic statistics & probability (mean, median, mode, simple probability).

Key skills

- Fraction & decimal computations, converting between representations.
- Understand and solve problems with ratios, rates, and proportions.
- Translate word problems into expressions/equations; solve & check.
- Compute area/volume; interpret statistical displays.

Assessments / projects

- Weekly problem sets, timed arithmetic fluency checks.
- Unit projects: budgeting activity (percents & decimals), scale drawing/project requiring ratios & geometry, data collection & analysis project.
- Unit tests + cumulative end-of-year assessment.

Resources

- Khan Academy (6th grade), IXL, Illustrative Mathematics, Math Mammoth, Beast Academy (challenge).
- Manipulatives: fraction tiles, number lines, graph paper, measuring tools.

Mastery indicators

- Accurate operations with fractions & decimals.
- Solve multi-step word problems using ratios/expressions.
- Create/solve one-variable equations; compute area/volume correctly.

3) Science (Integrated: Life, Earth, Physical + Scientific Practices) Learning goals

- Apply scientific method and inquiry skills.
- Understand core 6th-grade life, earth/space, and physical science concepts.
- Connect science to engineering and real-world problems.

Yearly sequence (NGSS-style) Q1: Scientific practices, measurement, matter & its interactions (atoms, molecules, physical vs chemical changes). Q2: Energy and forces (motion, simple machines), basics of ecology and ecosystems. Q3: Earth & space (rock cycle, plate tectonics, weather & climate, solar system basics). Q4: Human body basics or environmental science, engineering design challenge, review

& capstone project.

Key skills

- Formulate testable questions, plan investigations, collect/graph/analyze data, draw conclusions.
- Understand cycles (water, rock), energy transfer, ecosystems, basic atomic/molecular ideas.

Assessments / projects

- Labs with lab reports (hypothesis, method, data, conclusion).
- Quarter projects: ecosystem investigation, model rock cycle, build simple machines, engineering design challenge (e.g., bridge or water filter).
- Performance tasks using scientific practices.

Resources

- Mystery Science, CK-12, NASA resources for kids, PhET simulations, local science museum kits.

Mastery indicators

- Complete labs with clear claims supported by evidence.
- Explain key concepts (energy, ecosystems, matter) and solve related problems.

4) Social Studies (World History / Geography / Civics / Economics) Learning goals

- Understand early civilizations through medieval times or world geography (depends on curriculum), map skills, basic civics and economics.
- Analyze primary & secondary sources and understand cause/effect in history.

Yearly sequence (sample: World History focus) Q1: Geography skills (maps, coordinates, physical features) + early river civilizations (Mesopotamia, Egypt, Indus, China). Q2: Classical civilizations (Greece, Rome, India, China), trade networks, belief systems. Q3: Medieval era (Byzantine, Islamic Golden Age, African kingdoms, feudal Europe), technological & cultural exchanges. Q4: Exploration & impacts, basic civics (forms of government), economics basics (trade, supply/demand), final project.

Key skills

- Map reading, timeline creation, analyzing primary sources, comparing cultures, citing evidence in historical explanations.

Assessments / projects

- Map quizzes, source analysis essays, timeline projects.
- Final capstone: research a civilization and present a museum exhibit (poster + oral presentation or digital).

Resources

- National Geographic Kids, BBC Bitesize, Stanford History Education Group (SHEG) lessons, DK Eyewitness books for kids.

Mastery indicators

- Accurately locate major world regions, explain key features of major civilizations, use evidence in

historical explanations.

5) World/Modern Language (e.g., Spanish, French — if offered) Learning goals

- Basic interpersonal communicative skills: greetings, introductions, numbers, family, school, daily routines.
- Understand and use high-frequency verbs and simple sentence structures.

Yearly sequence Q1: Greetings, alphabet/pronunciation, numbers, classroom vocabulary. Q2: Family & descriptions (adjectives/gender agreement), present tense regular verbs. Q3: Daily routine, telling time, food & order at restaurant, past tense intro (if possible). Q4: Conversation practice, culture units, final project (skit or poster).

Key skills

- Listening & speaking short dialogues, reading short passages, writing simple sentences.

Assessments / projects

- Weekly vocabulary checks, oral dialogues, cultural presentation, simple reading comprehension tasks.

Resources

- Duolingo, Mango Languages, Rockalingua (Spanish), BBC Languages.

Mastery indicators

- Hold a simple conversation, write short paragraphs, show basic comprehension.

6) Computer Science / Technology & Digital Citizenship Learning goals

- Digital literacy, online safety, keyboarding, basic coding & computational thinking.

Yearly sequence Q1: Digital citizenship (privacy, online behavior), basic keyboarding skills. Q2: Google Docs/Slides, research tools, formatting, citation basics. Q3: Intro to coding (block-based: Scratch, Code.org), algorithms & loops. Q4: Basic text-based intro (Python basics if ready) or robotics (optional), final tech project (digital story, game, or website).

Key skills

- Responsible online behavior, efficient use of productivity tools, create simple programs, debug logical problems.

Assessments / projects

- Digital citizenship scenario tests, keyboarding speed checks, create a Scratch project, collaborative presentation.

Resources

- Code.org, Scratch, Khan Academy Computing, TypingClub, Common Sense Education.

Mastery indicators

- Create functioning block-code projects, demonstrate safe online habits, produce and share digital documents.

7) Visual & Performing Arts Learning goals

- Explore basic art elements (line, color, form, texture) and music fundamentals (rhythm, melody), creative expression, critique.

Yearly sequence Q1: Drawing & color theory, rhythm & basic music notation. Q2: Painting & mixed media, music listening & instruments basics. Q3: Sculpture & 3D art, vocal/instrument ensemble basics. Q4: Art history/culture surveys, final art & music showcase.

Key skills

- Apply art techniques, read simple music notation, work collaboratively in ensembles, critique respectfully.

Projects/assessments

- Portfolios of art pieces, music performance, artist study report, class showcase.

Resources

- Local art classes, Chrome music labs, Art for Kids Hub, YouTube tutorials.

8) Physical Education & Health Learning goals

- Develop fitness habits, team sports skills, movement competence, understanding nutrition & mental health basics.

Yearly sequence

- Weekly PE classes emphasizing locomotor skills, team sports, fitness circuits, lifetime activities (swimming, cycling, hiking), health units on nutrition, puberty, emotional health, first aid basics.

Assessments / projects

- Fitness tests (e.g., mile/pacer), skill checklists, health quizzes, goal-setting project for personal fitness plan.

Resources

- CDC physical activity resources, ChooseMyPlate, local PE curricula.

Mastery indicators

- Demonstrate improved fitness benchmarks, understand basic health & safety practices.

9) Life Skills / Financial Literacy / Study Skills Learning goals

- Time management, organizational skills, basic money skills (budgeting, saving), critical thinking, goal setting.

Yearly topics

- Study strategies, note-taking, planners, test prep (Q1).
- Basic budgeting, income, saving (Q2).
- Problem solving, decision making, basic household & safety skills (Q3).
- Career awareness & responsibility, community service project (Q4).

Projects/assessments

- Personal budget project, study skills portfolio, mock job application/interview.

Resources

- Practical Money Skills, Junior Achievement materials, study skills guides.

10) Electives / Enrichment / STEM Clubs

- Robotics, debate, drama, gardening, coding club, chess, makerspace — weekly or biweekly to build passion and deeper skills.

Generic pacing template (weekly)

- ELA: daily (reading & writing) — 45–60 min.
- Math: daily — 45–60 min.
- Science: 3–4 times/week — 45–60 min (labs once/week).
- Social Studies: 3–4 times/week — 45–60 min.
- PE: 2–3 times/week — 30–45 min.
- World Language: 3 times/week — 30 min.
- Art/Music/Tech: rotating 1–2 times/week — 30–60 min.
- Electives/Life Skills: weekly club or biweekly.

Evaluation & mastery

- Use formative checks (exit tickets, quizzes), performance tasks (projects), and summative unit tests.
- Mastery = 80–90% proficiency on key standards or demonstrated ability to apply skills in real tasks (e.g., write an essay with evidence, solve multi-step word problems).

Differentiation strategies

- Enrichment: deeper problem sets, independent projects, accelerated texts, competitions (spelling bees, math contests).
- Remediation: small-group instruction, concrete manipulatives, scaffolded reading supports, targeted practice apps (Khan, IXL), more frequent formative checks.
- Multi-sensory instruction for struggling learners and English-language learners (visual supports, sentence frames, bilingual resources).

Sample capstone ideas (end of year)

- Interdisciplinary project: “Design a sustainable community” — include math budgeting, science ecology, civics plan, persuasive presentation, and a model/prototype.
- Personal portfolio: best writing samples, science lab book, math problem-solving collection, art showcase, reflection essay.

Quick resource list

- Reading & ELA: CommonLit, ReadTheory, NoRedInk.
- Math: Khan Academy, Illustrative Math, IXL.
- Science: Mystery Science, PhET, CK-12.
- Social Studies: National Geographic Kids, DBQ lessons from SHEG.
- Coding/Tech: Code.org, Scratch, TypingClub.
- Languages: Duolingo, Memrise.
- General: Local library, museums, community education programs.

If you want, I can:

- Build a week-by-week 36-week lesson plan for any or all subjects.
- Tailor this plan to a specific curriculum, state standards, time available (homeschool vs. classroom), or interests (e.g., add more robotics or creative writing). Which would you like next?