Below is a practical, teacher-friendly roadmap for everything a 12â€‘yearâ€‘old in 6th grade typically needs to learn â€” plus a simple daily/weekly lesson plan structure, a reusable daily lesson/worksheet template, example worksheet prompts you can use right away, and recommended pacing & resources.

If you want, I can turn these into printable daily worksheets for a month (math sets, reading passages with questions, short science labs, map activities, grammar worksheets, etc.). Tell me whether this is for classroom use, homeschooling, or individual practice, and how many minutes per day you want to spend on each subject.

1) Core subjects and topic lists

- Math
  - Number sense: place value, comparing & ordering, absolute value
  - Whole numbers, fractions, decimals, percents: operations, conversions
  - Factors, multiples, primes, GCF & LCM
  - Ratios & rates, proportions, unit rates
  - Integers & rational numbers: operations, number line
  - Expressions & basic algebra: variables, simplifying expressions, order of operations
  - Equations & inequalities: one-step & multi-step equations, word problems
  - Percents: discounts, tax, interest, percent problems
  - Geometry: area & perimeter (rectangles, triangles, circles), surface area & volume (prisms), angles, basic constructions, coordinate plane
  - Data & probability: mean/median/mode/range, histograms, line plots, basic probability
  - Problem-solving strategies & word problems
- English Language Arts (ELA)
  - Reading comprehension: main idea, theme, summarizing, sequencing
  - Literary elements: plot, character, setting, point of view, tone, mood, theme
  - Genres: fiction (short stories, novel excerpts), poetry, drama, informational texts
  - Close reading & inference, citing textual evidence
  - Vocabulary: context clues, Greek/Latin roots, word analysis
  - Writing: paragraph structure, narrative, descriptive, expository, persuasive essays, responses to literature
  - Research skills: gathering sources, note-taking, writing a short research report, basic citations
  - Grammar & usage: parts of speech, phrases & clauses, subject-verb agreement, punctuation, sentence types and combining
  - Speaking & listening: presentations, group discussions, listening for main points
- Science (NGSS-aligned topics commonly in 6th)
  - Scientific practices: asking questions, designing investigations, collecting/analyzing data, drawing conclusions
  - Life science: cells & organization, ecosystems, food webs, biodiversity, classification
  - Earth & space: Earthâ€™s layers, plate tectonics basics, rocks & minerals, weather & climate, water cycle
  - Physical science: matter (states, properties), mixtures & solutions, basic forces & motion, energy types & transfer
  - Human body basics (depending on curriculum): systems overview, health connections
  - Lab & safety skills: measurement, using simple equipment, recording data, making graphs
- Social Studies
  - World geography: maps, latitude & longitude, continents, regions, physical features
  - Ancient civilizations & early history (may vary by program): Mesopotamia, Egypt, Indus, China, Greece/Rome basics

    - Cultural studies: religions, cultural practices, comparisons among regions
    - Civics basics: citizenship, government roles, basics of democracy
    - Economics basics: supply & demand, goods & services, budgeting & money basics
    - Historical thinking skills: timelines, primary vs. secondary sources, cause & effect
- Health & Physical Education
    - Personal health & hygiene, nutrition basics, mental health awareness
    - Fitness activities, sports basics, movement skills
    - Safety & first aid basics
- Art & Music
    - Visual art techniques, elements/principles of art, art history basics
    - Music appreciation, reading simple notation, rhythm & basic instruments (varies)
- Technology / Computer Science
    - Digital literacy & online safety
    - Keyboarding basics, file management
    - Intro to coding concepts (algorithms, loops, conditionals) â€” block-based or text-based
    - Using common productivity tools (documents, slides, spreadsheets)
- World / Modern Languages (if offered)
    - Basic vocabulary & phrases, greetings, numbers, simple dialogues, cultural notes
- Life Skills / Study Skills
    - Time management, note-taking, test prep, organization, goal setting, collaboration skills

2) Yearly scope & sequence (high-level)

- Quarter 1: foundational skills (numbers, fractions, grammar basics, map skills, scientific method), simple labs and short reading units
- Quarter 2: expand algebraic thinking, decimals & ratios; longer reading novels; Earth science topics; begin research/writing project
- Quarter 3: geometry & area/volume; deeper literary analysis and persuasive writing; life science units; civics & ancient civilizations
- Quarter 4: statistics & probability, review & mastery, final projects (science fair or research report, creative writing), map skills & economics

3) Typical daily schedule (homeschool/remote-friendly)

- Math: 45â€“60 minutes (warm-up, explicit whole-group instruction or video, guided practice, independent problems)
- ELA (reading + writing + grammar): 60â€–90 minutes (independent reading, close reading/mini-lesson, writing workshop)
- Science OR Social Studies: 40â€–60 minutes (instruction + hands-on activity or worksheet)
- Electives (art/music/tech/language): 30â€–45 minutes (rotating days)
- PE/recess: 30â€–45 minutes
- Independent reading/homework: 20â€–30 minutes
- Total daily instructional time ~4â€–5 hours (adjust to school requirements)

4) Reusable daily lesson/worksheet template (use for any subject)

- Objective (I can / Students will): clearly stated
- Materials: list
- Warm-up (5â€–10 min): quick review or essential question (mental math, quick vocab, map label)
- Direct instruction (10â€–20 min): brief teaching, example problems, read-aloud/mini-lecture
- Guided practice (10â€–20 min): teacher-led or paired practice; worksheet with 6â€–10 problems
- Independent practice (15â€–25 min): full worksheet, short writing prompt, short lab write-up

- Assessment/exit ticket (5 min): one quick problem or question to check mastery
- Homework/extension: optional challenge or practice
- Differentiation notes: scaffolds and extension tasks

5) Example daily worksheet prompts (ready to use ideas)

- Math (topic: fractions + word problems)
  - Warm-up: Simplify 18/24. Convert 0.75 to a fraction.
  - Problems: Add 3/4 + 2/5. Subtract 7/8 âˆ’ 1/3. Multiply 2 1/3 Ã— 3/4. Divide 5/6 Ã· 1/2. Word problem: If a recipe needs 3/4 cup sugar and you make half the recipe, how much sugar?
  - Challenge: A map scale shows 1 inch = 40 miles. A road is 3 1/2 inches on the map. How far is the road?
- ELA (reading comprehension)
  - Short passage (150â€“300 words) with: main idea question, two inference questions (cite evidence), one vocabulary-in-context, one short written response (summarize in 2â€“3 sentences).
  - Grammar: Identify subject/verb in five sentences; combine two pairs of sentences using conjunctions.
  - Writing prompt: Write a persuasive paragraph (topic given) with a clear topic sentence, two supporting reasons, and a concluding sentence.
- Science (simple lab/report)
  - Investigation: Measure and record time for ice cubes to melt in three different locations (sunlight, shade, inside). Record data table, make a bar graph, write a short conclusion citing evidence.
  - Questions: Identify variables, predict results, explain why temperature affected melting rate.
- Social Studies (map & critical thinking)
  - Map activity: Label continents, two major rivers, and three capital cities. Short document analysis: read a primary source excerpt (100â€“150 words) and answer 3 questions: Who wrote it? What problem is described? Why is it important?
- Technology / Coding (project)
  - Blockly or Scratch: Create a simple interactive story with at least two sprites, five movement blocks, one loop, and one conditional. Write 2â€“3 sentences describing how you used the loop.
- Vocabulary practice
  - 6 new words: definition match, use each in a sentence, identify synonym or antonym.
- Extra practice / spiral review
  - Mixed worksheet of 10 problems: 3 math review (multiplication, decimals), 3 grammar, 2 vocabulary, 2 quick facts from science/social studies.

6) Assessment & mastery checks

- Weekly quick checks: 10â€“15 minute quizzes for math & ELA (vocab/grammar + one reading comprehension)
- Monthly performance tasks: longer writing assignment, project, or cumulative math test
- Formative checks: exit tickets each day
- Use rubrics for writing, lab reports, projects

7) Differentiation ideas

- For students below grade level: smaller chunks, more visuals, manipulatives for math (fraction tiles), sentence frames for writing, guided reading groups
- For advanced students: extension problems, independent research projects, multi-step open-

ended math tasks, literature circles with higher-level novels

8) Resources (to find ready-made worksheets, lesson plans, passages & interactive practice)

- Math practice & lessons: Khan Academy, IXL, Illustrative Mathematics
- Reading passages & ELA: ReadWorks, CommonLit, Newsela, Scholastic
- Science lessons & NGSS units: PBS LearningMedia, Mystery Science, NASA education pages
- Worksheets/printables: Education.com, Teachers Pay Teachers (free & paid), Super Teacher Worksheets
- Digital tools: Google Classroom/Google Docs for assignments, Quizlet for vocab, Scratch for coding

If youâ€™d like, I can:

- Create a monthâ€™s worth of daily worksheets and lessons (specify subjects and days per week), or
- Build a week-by-week scope & sequence with printable daily worksheets for math and ELA, or
- Generate a daily printable lesson for tomorrow (choose subject and topic).

Which would you like me to make next?