
Vermont 2 Science

FREE PREVIEW

Full-Year Teacher Planner, Blank Editable Planner & School-Submission Binder

This preview shows the real structure and a genuine sample of the completed planner. The full product contains 9 units, 36 weekly plans and 180 daily plans, plus blank editable versions of every form.

State	Vermont
Grade	2 (Elementary)
Subject	Science
Course category	Core
Standards family	Science
Framework	Next Generation Science Standards (NGSS) — the standards Vermont uses for this subject under the Education Quality Standards (State Board Rule series 2000)
Issuing agency	Vermont Agency of Education
Scope	36 instructional weeks · 180 instructional days · 9 units

This is a statewide standards index, not a local course catalog. Course names, grade placement, electives, and graduation sequences vary by district.

What you get

Folder	Contents
01 START HERE	Read-me, contents, printing and digital instructions, standards verification guide, this preview
02 FILLED FULL YEAR	Completed planner in colour and ink-friendly PDF, plus editable DOCX
03 BLANK EDITABLE	Blank planner in colour, ink-friendly and fillable PDF, plus editable DOCX
04 ASSESSMENTS AND DATA	Baseline observation, quarterly rubrics, anecdotal forms, portfolio checklist
05 SCHOOL SUBMISSION	Submission covers, alignment summary, evidence checklist, observation, reflection, signature page
06 LICENSE AND CREDITS	Terms of use, credits and licences, copyright notice

The pages that follow are reproduced **exactly** as they appear in the full completed planner.

Week 9 — Taking Things Apart

Unit 3: Building, Rebuilding and Changing · Month 3 · Quarter 1 · Semester 1 · Instructional Days 41–45

Essential question	What is this structure made of?
Standards	Taking Apart and Building Something New -> 2-PS1-3 Matter and its Interactions — Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object. [Clarification Statement: Examples of pieces could include blocks, building bricks, or other assorted small objects.]
Learning target	"I can take a structure apart and describe its pieces."
Local dates	_____ (enter your school dates)

Measurable objectives

- Students will demonstrate how structures made from a small set of pieces can be disassembled.
- Students will record the pieces a structure is made from.

Success criteria (student-friendly)

- "I take it apart carefully."
- "I name the pieces."
- "I record how many of each."

Academic vocabulary

structure, piece, disassemble, part, record

Materials and technology

- Construction bricks or linking pieces
- Trays
- Recording sheets
- Chart paper
- Small assembled models

Differentiation and supports

Support area	This week's plan
Special education / IEP	Reduce group size; pair visual cue cards with all verbal directions; allow gesture or picture response in place of speech; pre-teach the week's target in a 1:1 warm-up.
Section 504	Provide the child's documented accommodations throughout; permit movement breaks and alternative seating at any point in the sequence.
Multilingual learners	Introduce each vocabulary word with an object or image; accept home-language responses; send the vocabulary list home where a translation is available; pair with a peer who shares the home language.

Support area	This week's plan
Advanced / extension	Ask the learner to teach the skill to a peer, extend the task, or record a demonstration for the class reference wall.
Intervention / reteach	Reteach the target in a short small group using the same materials; split the day's check for understanding into two smaller steps.
Enrichment	Extend into an open-ended centre or project connected to the essential question.

Assessment and evidence

Observation: child disassembles a structure and inventories its pieces.

Family communication

Ask your child what pieces their structure was made from.

Day 41 — What a Structure Is

Week 9, Day 1 · Unit 3 · Standards: 2-PS1-3

Focus	Defining structure.
Learning target	"I can take a structure apart and describe its pieces."
Vocabulary in use	structure, piece, disassemble
Local date	_____

Learning sequence

Connect: things we build. Teach: pieces joined for a purpose. Try: examining models. Apply: children describe. Reflect: definition charted.

Check for understanding

Student describes a structure as joined pieces.

Differentiation in the moment

If the learner...	Then...
needs more support	Model the step again with guided support, then fade to a gesture cue.
is ready for more	Invite the learner to demonstrate for a peer or add a second example.
is dysregulated	Pause instruction, move to co-regulation, and return to the target later.

Closure and reflection

Gather the group. Restate the learning target. Ask one learner to demonstrate. Name one specific thing the group did well, then preview tomorrow.

Teacher reflection (fictional example)

Fictional Example — Customize and Verify Before School Submission.

Most learners met the target. Two needed the visual cue repeated during guided practice; I will pre-teach with them tomorrow. The extension held attention longer than planned, so I shortened closure.

Day 42 — Taking a Structure Apart

Week 9, Day 2 · Unit 3 · Standards: 2-PS1-3

Focus	Disassembly.
Learning target	"I can take a structure apart and describe its pieces."
Vocabulary in use	structure, piece, disassemble
Local date	_____

Learning sequence

Connect: structures. Teach: careful disassembly. Try: guided practice. Apply: children disassemble. Reflect: pieces kept together.

Check for understanding

Student disassembles a structure without losing pieces.

Differentiation in the moment

If the learner...	Then...
needs more support	Model the step again with guided support, then fade to a gesture cue.
is ready for more	Invite the learner to demonstrate for a peer or add a second example.
is dysregulated	Pause instruction, move to co-regulation, and return to the target later.

Closure and reflection

Gather the group. Restate the learning target. Ask one learner to demonstrate. Name one specific thing the group did well, then preview tomorrow.

Teacher reflection (fictional example)

Fictional Example — Customize and Verify Before School Submission.

Most learners met the target. Two needed the visual cue repeated during guided practice; I will pre-teach with them tomorrow. The extension held attention longer than planned, so I shortened closure.

Day 43 — Naming the Pieces

Week 9, Day 3 · Unit 3 · Standards: 2-PS1-3

Focus	Component vocabulary.
Learning target	"I can take a structure apart and describe its pieces."
Vocabulary in use	structure, piece, disassemble
Local date	_____

Learning sequence

Connect: our pieces. Teach: describing each kind. Try: shared naming. Apply: children name. Reflect: vocabulary agreed.

Check for understanding

Student names and describes the pieces of a structure.

Differentiation in the moment

If the learner...	Then...
needs more support	Model the step again with guided support, then fade to a gesture cue.
is ready for more	Invite the learner to demonstrate for a peer or add a second example.
is dysregulated	Pause instruction, move to co-regulation, and return to the target later.

Closure and reflection

Gather the group. Restate the learning target. Ask one learner to demonstrate. Name one specific thing the group did well, then preview tomorrow.

Teacher reflection (fictional example)

Fictional Example — Customize and Verify Before School Submission.

Most learners met the target. Two needed the visual cue repeated during guided practice; I will pre-teach with them tomorrow. The extension held attention longer than planned, so I shortened closure.

Day 44 — Counting What We Have

Week 9, Day 4 · Unit 3 · Standards: 2-PS1-3

Focus	Inventory.
Learning target	"I can take a structure apart and describe its pieces."
Vocabulary in use	structure, piece, disassemble
Local date	_____

Learning sequence

Connect: named pieces. Teach: recording how many of each. Try: shared tallying. Apply: children inventory. Reflect: totals checked.

Check for understanding

Student records an accurate inventory of pieces.

Differentiation in the moment

If the learner...	Then...
needs more support	Model the step again with guided support, then fade to a gesture cue.
is ready for more	Invite the learner to demonstrate for a peer or add a second example.
is dysregulated	Pause instruction, move to co-regulation, and return to the target later.

Closure and reflection

Gather the group. Restate the learning target. Ask one learner to demonstrate. Name one specific thing the group did well, then preview tomorrow.

Teacher reflection (fictional example)

Fictional Example — Customize and Verify Before School Submission.

Most learners met the target. Two needed the visual cue repeated during guided practice; I will pre-teach with them tomorrow. The extension held attention longer than planned, so I shortened closure.

Day 45 — The Same Pieces, Ready to Rebuild

Week 9, Day 5 · Unit 3 · Standards: 2-PS1-3

Focus	Week 9 consolidation.
Learning target	"I can take a structure apart and describe its pieces."
Vocabulary in use	structure, piece, disassemble
Local date	_____

Learning sequence

Connect: our inventory. Teach: the set stays the same. Try: verifying counts. Apply: children confirm. Reflect: sets stored for Week 10.

Check for understanding

Student verifies their piece set is complete and unchanged.

Differentiation in the moment

If the learner...	Then...
needs more support	Model the step again with guided support, then fade to a gesture cue.
is ready for more	Invite the learner to demonstrate for a peer or add a second example.
is dysregulated	Pause instruction, move to co-regulation, and return to the target later.

Closure and reflection

Gather the group. Restate the learning target. Ask one learner to demonstrate. Name one specific thing the group did well, then preview tomorrow.

Teacher reflection (fictional example)

Fictional Example — Customize and Verify Before School Submission.

Most learners met the target. Two needed the visual cue repeated during guided practice; I will pre-teach with them tomorrow. The extension held attention longer than planned, so I shortened closure.

Important before you buy

- This is a **digital download**. Nothing is shipped.
- The planner is **calendar-neutral**: Month 1–9, Week 1–36, Day 1–180, so it fits any school calendar. You add your own dates.
- Standards were transcribed from the official source.
- Not affiliated with or endorsed by Vermont Agency of Education, any district, school, assessment provider or Teachers Pay Teachers.
- No approval, compliance, rating or evaluation outcome is guaranteed.

This is a statewide standards index, not a local course catalog. Course names, grade placement, electives, and graduation sequences vary by district.

Terms of Use, Privacy and Copyright

Licence

This resource is licensed for use by **one teacher in one classroom**. You may print and reproduce the pages for your own students. You may not share, sell, sub-licence, post publicly, or upload this file to any website, shared drive or district repository. Additional classroom licences are available at a reduced price.

Copyright

All text, forms and layouts in this resource are original work. Fonts used are the standard PDF base fonts, which carry no redistribution restriction. No competitor product, published curriculum, commercial assessment, answer key, book text, character, logo or agency branding is reproduced. Where standard codes and text appear, they are quoted from a public government document for identification and alignment purposes and remain the property of the issuing agency.

Student privacy

Record learners using **initials or a school-approved identifier only**. Do not record IEP content, Section 504 plans, protected assessment scores, medical information or family information in this planner. Store completed pages securely and follow your programme's privacy requirements and applicable law. **This planner is not a secure student-information system and is not a substitute for official records.**

Accessibility

Pages use a minimum 8-point type size, high-contrast text, wide writing areas, print-safe margins, numbered pages and a bookmarked navigation outline. Colour and ink-friendly versions are supplied, and no information is conveyed by colour alone.

Disclaimer

This independently created resource is not affiliated with, sponsored by, approved by, or endorsed by Vermont Agency of Education, any local school district, any school, any assessment provider, or Teachers Pay Teachers. Standards, assessments, course requirements, and submission procedures may change. Teachers must verify current requirements using <https://www.nextgenscience.org/> and local school or district guidance.

Source citation

Vermont Agency of Education. Next Generation Science Standards (NGSS) — the standards Vermont uses for this subject under the Education Quality Standards (State Board Rule series 2000). As per the Education Quality Standards (EQS), Vermont uses the standards for science as laid out by the Next Generation Science Standards. Retrieved 2026-07-27 from <https://www.nextgenscience.org/>