
South Carolina 7 Technology / Computer 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	South Carolina
Grade	7 (Middle)
Subject	Technology / Computer Science
Course category	Technology
Standards family	Science
Framework	South Carolina College- and Career-Ready Standards
Issuing agency	South Carolina Department 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 — Common Methods of Securing Data

Unit 3: Safety, Security and Ethics · Month 3 · Quarter 1 · Semester 1 · Instructional Days 41–45

Essential question	What actually keeps data safe?
Standards	Common Methods of Securing Data -> 7.DA.3.1 strand — text
Learning target	"I can identify common methods of securing data."
Local dates	_____ (enter your school dates)

Measurable objectives

- Students will identify common methods of securing data.

Success criteria (student-friendly)

- "I identify methods of more than one kind."
- "I explain what each protects against."
- "I explain a limit of each."

Academic vocabulary

encryption, authentication, backup, access control, threat

Materials and technology

- Paper and pencils
- Whiteboard
- Notebooks
- Published information the teacher selects
- Devices optional

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.
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.

Support area	This week's plan
Enrichment	Extend into an open-ended centre or project connected to the essential question.

Assessment and evidence

Methods identified with what each protects against and its limits.

Family communication

Ask your child what encryption does.

Day 41 — Nothing Is Attacked in This Unit

Week 9, Day 1 · Unit 3 · Standards: 7.DA.3.1

Focus	The rule, first.
Learning target	"I can identify common methods of securing data."
Vocabulary in use	encryption, authentication, backup
Local date	_____

Learning sequence

TEACHER NOTE: Unit 3 covers securing data, social engineering and cybersecurity. NOTHING IN THIS COURSE PROBES, TESTS, ACCESSES OR ATTEMPTS TO CIRCUMVENT ANY SYSTEM - not a classmate's account, not a website, and least of all the school's network. Everything is taught on paper, on diagrams and on published information. Connect: Unit 2. Teach: the rule and why it exists - the same knowledge defends or attacks, and this course teaches only the defending half. Try: shared restating. Apply: pupils record the rule. Reflect: it governs Weeks 9-12 and Weeks 25-27.

Check for understanding

Student states what this unit will not do.

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 — Locking It: Encryption

Week 9, Day 2 · Unit 3 · Standards: 7.DA.3.1

Focus	The first method.
Learning target	"I can identify common methods of securing data."
Vocabulary in use	encryption, authentication, backup
Local date	_____

Learning sequence

Connect: the rule. Teach: encryption as making data unreadable without a key, what it protects against (someone reading data they obtained) and what it does not (someone getting the key, or deleting the data). Try: shared paper cipher to see the principle. Apply: pupils explain what encryption protects.

Check for understanding

Student explains what encryption protects against and what it does not.

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 — Proving Who You Are

Week 9, Day 3 · Unit 3 · Standards: 7.DA.3.1

Focus	Authentication.
Learning target	"I can identify common methods of securing data."
Vocabulary in use	encryption, authentication, backup
Local date	_____

Learning sequence

Connect: encryption. Teach: passwords, passphrases, second factors and why a second factor helps so much - and what makes a password strong, in terms of length and unpredictability rather than punctuation tricks. NO PUPIL SHARES, TYPES OR DISCUSSES A REAL PASSWORD OF THEIR OWN. Try: shared analysis of made-up examples. Apply: pupils explain what authentication protects. Reflect: strength is a property of the method, not a ritual.

Check for understanding

Student explains what makes a passphrase strong.

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 — Who Is Allowed What

Week 9, Day 4 • Unit 3 • Standards: 7.DA.3.1

Focus	Access control.
Learning target	"I can identify common methods of securing data."
Vocabulary in use	encryption, authentication, backup
Local date	_____

Learning sequence

Connect: authentication. Teach: that being identified and being permitted are different things, and that most real data loss is someone permitted to see more than they needed. Try: shared design of permissions for an imagined system. Apply: pupils assign least-privilege access. Reflect: an idea that transfers well beyond computing.

Check for understanding

Student assigns permissions on a least-privilege basis.

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 — Backups and What They Protect

Week 9, Day 5 · Unit 3 · Standards: 7.DA.3.1

Focus	7.DA.3.1 assessed.
Learning target	"I can identify common methods of securing data."
Vocabulary in use	encryption, authentication, backup
Local date	_____

Learning sequence

Connect: access control. Teach: that backup protects against the threats the other three do not - deletion, corruption, hardware failure, ransom - and that an untested backup is a hope rather than a method. Try: shared listing. Apply: pupils identify methods across all four kinds with limits. Reflect: this week's standard recorded.

Check for understanding

Student identifies four kinds of method and a limit of each.

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 South Carolina Department 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 South Carolina Department 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://ed.sc.gov/instruction/standards/computer-science/> and local school or district guidance.

Source citation

South Carolina Department of Education. South Carolina College- and Career-Ready Standards. Retrieved 2026-07-27 from <https://ed.sc.gov/instruction/standards/computer-science/>