



Developed at:

**The Lawrence
Hall of Science**
UNIVERSITY OF CALIFORNIA, BERKELEY*

**For teaching time,
for technology, for
tomorrow, the path
forward is here.**

FOSS Pathways: features upgraded from Next Generation

When you update from FOSS® Next Generation to FOSS Pathways™, you gain numerous advantages in time efficiency, upgraded technology, modern design, and cost efficiency.



Category	FOSS Next Generation	FOSS Pathways
Investigations Guide	Modified Third Edition design	New and engaging design with more color and imagery
	More pages/chapters	Fewer pages/chapters
	Chapters include: 1. Overview 2. Framework and NGSS 3. Materials 4. Technology 5. Investigations 6. Assessment	Chapters include: 1. Overview 2. Materials 3. Investigations 4. Assessment
	May have more investigations, depending on the module. For example, Water and Climate has 5 investigations.	Fewer investigations; maximum of 4 investigations. For example, Water and Climate has 4 investigations.
	More sessions: range from 47 to 52 per module for grades 3-5 Assumes teaching science 5 days/week	Fewer sessions: • Grades 3-5: 90 sessions per grade; assumes teaching science 3 days/week • Grades PK-2: 60 sessions per grade; assumes teaching science 2 days/week
	Sessions are not clearly delineated	Easier navigation (Investigations, parts, and sessions clearly labeled)
	No explicit learning objectives; includes "Content" and "Purpose" instead	Explicit learning objectives that integrate the three dimensions
	Anchor phenomenon is included only in the IG front matter and digital teaching slides	Integration of anchor phenomenon storylines and driving questions throughout investigations
	All activities are required	Optional "Side Trip" activities* Can be used for whole class activities, student challenges, or differentiation *Lesson plans are online only (to come)
	No explicit mention of the 5Es	Explicit connection to the 5Es in Instructional Design
	Teacher Background consolidated at the start of each investigation	Teacher Background at the start of each part
	Lengthy, single-column materials lists by part	Cleaner, easier-to-navigate double-column materials lists by part
	Lengthy, detailed Getting Ready steps that often include items that are not actual materials preparation for the activity	Easy to navigate "Getting Ready" chart and concise materials preparation steps; preparation is less intimidating
	ELA Connections that include Common Core mention/correlation	ELA Connections do not reference Common Core ELA Standards
	ELL Notes	English Language Support notes
	Lesson heads: -Materials -Getting Ready -Guiding the Investigation -Reading in Science Resources -Wrap Up/Warm Up	Lesson heads: -Teacher Background -Materials -Getting Ready -Guiding the Investigation -Interpreting Information -Reflecting on a Phenomenon
	FOSS Science Resources sidebar reduction of first page only for visual reference	FOSS Science Resources 4-up page reductions of entire article with reading strategy call-outs for in-class (core) readings
	Interdisciplinary Extensions with teacher-facing instructions/explanation in the IG	Differentiation opportunities that highlight interdisciplinary connections written for students and available on FOSSweb as duplication masters/PDFs (to come)

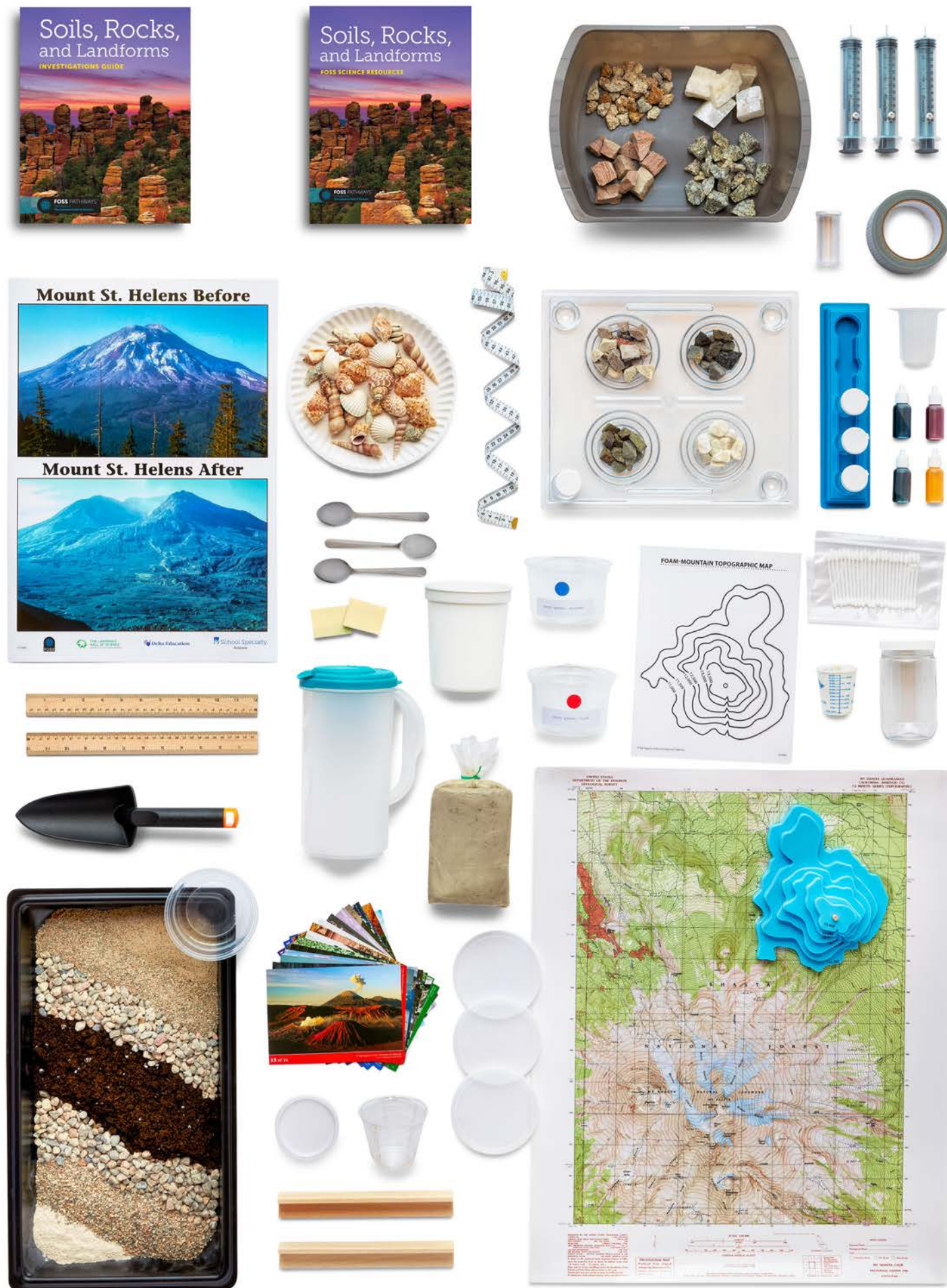




FOSS® Pathways™

Comparison to Next Generation Features

Category	FOSS Next Generation	FOSS Pathways
Student Book	Modified Third Edition design	New, modern and engaging design with larger images and less text per page
	For grades 3-5, page counts range from 64 to 160 For grades PK-2, page counts range from 64 to 96	For grades 3-5, maximum page count of 96 pages For grades PK-2, maximum page count of 72 pages
	No distinction for in-class or optional readings; readings were recommended for literacy block	Explicit in-class (core) readings included in science sessions; optional readings for differentiation
	"Thinking about..." Questions for some readings	Questions for Reflection for in-class (core) readings
	No references to FOSSweb Science and Engineering Careers Database	FOSSweb Science and Engineering Careers Database banners included in articles about scientists and engineers
	Glossary and separate Index	Comprehensive glossary with page numbers for where term is first used; no Index
	General article content and sequence matches Third Edition	Updated article content, titles, sequence (particularly in life science)
	Some new articles for Next Generation	Some new articles for Pathways
Technology	FOSSweb classic on WCC platform	FOSSweb on new cloud-based ThinkLink platform including features such as rostering capabilities and easy single sign-on, streamlined teacher & student dashboards, and searchable knowledge base
	Teacher Preparation Videos for most parts, which are a mix of Third Edition, TX, and NGSS editions	Revised and/or new Teacher Preparation Videos for every part
	N/A	NEW teacher-facing Anchor Phenomenon Overview videos
	N/A	NEW student-facing Anchor Phenomenon videos
	Schlessinger-licensed videos (old/dated); most in English and Spanish	NEW FOSS proprietary content videos in English and Spanish
	Updated multimedia, converted for iPad/HTML5	NEW online activities/simulations that align to NGSS content for grades 2-5 Updated online activities for grades 3-5
	eInvestigations Guide <ul style="list-style-type: none"> English only Links only in Guiding the Investigation Note-taking feature 	New Digital Teacher Guide that includes: <ul style="list-style-type: none"> Google Translate capabilities for 100+ languages, including Spanish Links at point of use throughout all sections Note-taking feature
	Online assessments in English and Spanish via LinkIt platform with reporting capabilities	Online assessments in English and Spanish via ThinkLink with reporting capabilities <ul style="list-style-type: none"> Includes new Admin Reports at district, school, and student levels
Equipment	Includes consumable materials for 3 classes of 32 students	Includes consumable materials for 3 classes of 32 students
	All core equipment provided in the kit EXCEPT common items	All core equipment provided in the kit EXCEPT common items and Side Trip equipment* <i>*Note: Side Trips are optional; equipment may be included in some cases, such as Motion.</i>
	Configured by investigation; shared items and consumable items grouped together	Configured by investigation; shared items and consumable items grouped together
	More drawers/boxes For example, Water and Climate is 3 drawers.	Fewer drawers/boxes For example, Water and Climate is 2 drawers.



Science that meets the challenge of our time.

FOSS Pathways PreK–5 Recommended Scope & Sequence

GRADE	PHYSICAL SCIENCE	EARTH SCIENCE	LIFE SCIENCE
PK	Observing Nature		
K	Materials and Forces	Trees and Weather	Animals Two by Two
1	Sound and Light	Changes in the Sky	Plants and Animals
2	Solids and Liquids	Water and Landforms	Insects and Plants
3	Motion	Water and Climate	Structures of Life
4	Energy	Soils, Rocks, and Landforms	Senses and Survival
5	Mixtures and Solutions	Earth and Sun	Living Systems

Today as never before, the world needs scientific thinkers to view the world thoughtfully, approach challenges analytically, and embrace opportunities enthusiastically. Now FOSS®, a longtime leader in science education, has stepped forward to meet that challenge with the newly expanded FOSS Pathways™ core science curriculum for grades PreK-5. Learn more about the benefits of switching over to Pathways and see how the science curriculum for our time:

- Aligns with today’s national science standards and is adaptable to meet state and local requirements
- Incorporates the digital tools for a flexible multimedia experience
- Teaches through a multimodal approach to resonate with every student
- Lends flexibility to teach in the class time allotted for science
- Engages students through coherent phenomenon storylines that are local and relevant
- Provides unmatched educative support to teach phenomena-based science

Learn more.

Contact a FOSS Representative at FOSS-Science.com



Developed at:

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