



# FOSS® Edition Comparison

Category	FOSS Next Generation ©2015	FOSS Third Edition ©2012	FOSS Second Edition ©2005/2009
<b>ELL Support</b>	ELL strategies are highlighted at point-of-use in the Investigations Guide	ELL strategies are found in the Science-Centered Language Development chapter of the Teacher Resources	No ELL strategies provided
<b>ELL Support</b>	Spanish editions of <i>FOSS Science Resources</i> are available in print and eBook formats	No Spanish available	Spanish editions of <i>FOSS Science Resources</i> are available in print only
<b>ELA/Math Support</b>	ELA and Math chapters are found in the Teacher Resources	No references for ELA or Math	No references for ELA or Math
<b>Literacy Support</b>	Point of use scaffolding around literacy strategies for FOSS Science Resources articles and discussions to support ELA in addition to the Science-Centered Language Development chapter in the Teacher Resources and on FOSSweb	Literacy strategies only available in the Science-Centered Language Development chapter in the Teacher Resources and on FOSSweb	No literacy strategies provided
<b>Literacy Support</b>	Science notebook entries are integrated into each investigation part	Science notebook entries are integrated into each investigation part	Some investigations have student sheets
<b>Literacy Support</b>	Readings in <i>FOSS Science Resources</i> are identified and scaffolded in detail in each relevant investigation with embedded pages for reference	Readings in <i>FOSS Science Resources</i> are identified and scaffolded in each relevant investigation	<i>FOSS Science Stories</i> only mentioned in the At a Glance chart for each relevant investigation
<b>Literacy Support</b>	Additional articles available in <i>FOSS Science Resources</i> informational texts compared to Second edition	Additional articles available in <i>FOSS Science Resources</i> informational texts compared to Second edition	Fewer articles in <i>FOSS Science Stories</i> than in Third Edition or Next Generation
<b>Literacy Support</b>	Grade band <i>FOSS Science Resources</i> books containing articles for all modules are available for grades 1 and 2	No grade band books available	No grade band books available
<b>Teacher Support</b>	Teacher Resources book (softcover) includes invaluable information on program goals, grade level appropriate scientific writing using notebooks, language development, literacy connections, taking FOSS outdoors, and duplication masters	Teacher Resources book (softcover) includes invaluable information on program goals, grade level appropriate scientific writing using notebooks, language development, taking FOSS outdoors, and duplication masters	Duplication masters are found in the Teacher Guide binder



Category	FOSS Next Generation ©2015	FOSS Third Edition ©2012	FOSS Second Edition ©2005/2009
<b>Teacher Support</b>	Greatly expanded module overview chapter in the Investigation Guide compared to Second Edition	Greatly expanded module overview chapter in the Investigation Guide compared to Second Edition	
<b>Teacher Support</b>	Greatly expanded Background for the Teacher section with each investigation that aligns with the three dimensions of learning science	Greatly expanded Background for the Teacher section with each investigation	Minimal background information for teachers
<b>Teacher Support</b>	Investigations Guide includes a conceptual flow diagram for each investigation	Investigations Guide includes a conceptual flow diagram for each investigation	No conceptual flow information
<b>Teacher Support</b>	Helpful Teaching Notes in the margins of each investigation	Helpful Teaching Notes in the margins of each investigation	
<b>Teacher Support</b>	14 margin icons to help teacher identify scaffolding support including: safety, literacy, math, technology, notebooking, small group, engineering, performance assessment, embedded & benchmark assessment, break time, outdoors, and more	11 standard margin icons	4 standard margin icons
<b>Investigations</b>	Investigation At a Glance chart includes pacing information; focus questions; reading, writing, and technology opportunities, DCI connections, and science and engineering performance expectations	Investigation At a Glance chart includes pacing information; focus questions; reading, writing, and technology opportunities	At a Glance chart includes pacing information, inquiry questions, reading, science content, interdisciplinary extensions, and assessment
<b>Investigations</b>	Getting Ready section of each investigation includes more detail, larger diagrams, and sample notebook entries	Getting Ready section of each investigation includes more detail, larger diagrams, and sample notebook entries	
<b>Investigations</b>	Focus Questions are available for each investigation part and are clearly called out in the margins of the Investigations Guide	Focus Questions are available for each investigation part and are clearly called out in the margins of the Investigations Guide	No Focus Questions available
<b>Assessment</b>	Greatly expanded Assessment chapter in the Investigations Guide compared to Second Edition	Greatly expanded Assessment chapter in the Investigations Guide compared to Second Edition	
<b>Assessment</b>	Assessment answer keys and rubrics provided in the Investigations Guide	Assessment answer keys and rubrics provided in the Investigations Guide	Answer keys not provided



Category	FOSS Next Generation ©2015	FOSS Third Edition ©2012	FOSS Second Edition ©2005/2009
<b>Assessment</b>	Embedded, Benchmark, and Performance assessments called out in specific investigation steps and marked with a standard icon	Only embedded and benchmark assessments called out	
<b>Assessment</b>	Online, computer-graded assessment available for grades 3-5 and some Middle School courses frees up valuable time	Online, computer-graded assessment available for grades 3-5	No online assessment available
<b>Assessment</b>	Embedded assessment includes teacher observation, science notebooks, performance assessments, and discussion	Embedded assessment includes teacher observation, science notebooks, performance assessments, and discussion	Embedded/formative assessment includes teacher observation and student sheets
<b>Assessment</b>	Benchmark assessment includes module survey, module post-test, and an I-Check at the conclusion of each investigation	Benchmark assessment includes module survey, module post-test, and an I-Check at the conclusion of each investigation	Benchmark/summative assessment includes end-of-module and portfolio assessments
<b>Framework Support</b>	Color-coded Science & Engineering Practices (SEP), Disciplinary Core Ideas (DCI), Crosscutting Concepts (CC) called out in each investigation	Science & Engineering Practices mentioned in the overview for each investigation	No <i>Framework</i> support
<b>Framework Support</b>	Entire Chapter in each module devoted to connections between that particular course and the Learning Progressions, Conceptual Frameworks, Background, and 3 Dimensions of the Framework: DCI, SEP and CCC.	No such chapter available	No such chapter available
<b>Framework Support</b>	Detailed information on SEPs, DCIs, and CCs in the Background Information for Teachers section of each investigation	SEPs, DCIs, and CCs are addressed in instruction but not called out	No <i>Framework</i> support
<b>Framework Support</b>	Practices addressed and performance expectations met listed for each part in the investigation "At a Glance" chart	No practices or performance expectations listed	No <i>Framework</i> support
<b>Framework Support</b>	<i>Framework</i> and NGSS chapter in the Investigations Guide	No <i>Framework</i> and NGSS chapter.	No <i>Framework</i> and NGSS chapter.
<b>Technology</b>	Tablet-ready HTML5, interactive "eIG" & Flash/HTML5 flipping book for all platforms	Flash/HTML5 flipping books	Flash flipping books
<b>Technology</b>	Tablet-ready HTML5, interactive eBook and iOS app**	Flash/HTML5 flipping books	Flash flipping books



Category	FOSS Next Generation ©2015	FOSS Third Edition ©2012	FOSS Second Edition ©2005/2009
<b>Technology</b>	Streaming video available for many investigation parts	Streaming video available for many investigation parts	No streaming video available
<b>Technology</b>	Includes 59 Virtual Investigations and Tutorials	Includes 36 Virtual Investigations and Tutorials	No Virtual Investigations or Tutorials available
<b>Technology</b>	Interactive Whiteboard Activities available for grades 1-5 and the Teacher License is included at no charge for the life of the adoption	Interactive Whiteboard Activities available for grades 1-5 and the Teacher License is included at no charge for the life of the adoption	Interactive Whiteboard Activities available for grades 3-6 for an additional cost
<b>Technology</b>	Expanded Technology chapter in the Investigations Guide	Smaller FOSSweb and Technology chapter in the Teacher Resources	Teacher Guide has a couple of pages on navigating (old) FOSSweb
<b>Technology</b>	Technology references at point of use – included as a step in “Getting Ready” and “Guiding the Investigation” sections	Technology only referenced in the At a Glance	Technology only referenced in the At a Glance
<b>Technology</b>	Exploros 1:1 collaborative learning tool for grades 3-5 modules**	No Exploros experiences	No Exploros experiences
<b>Conversion/ Upgrading</b>	Conversion kits available from both Third Edition and Second Edition	Conversion kits available from Second Edition	
<b>Materials Management</b>	Materials chapter of Investigations Guide provides a breakdown of teacher-supplied materials for each investigation	Materials chapter of Investigations Guide provides a breakdown of teacher-supplied materials for each investigation	Only kit materials are listed in the Materials chapter of the Teacher Guide
<b>Materials Management</b>	Materials chapter of Investigations Guide provides information on module reuse and replenishment (also available on FOSSweb)	Materials chapter of Investigations Guide provides information on module reuse and replenishment (also available on FOSSweb)	Materials chapter of Teacher Guide only provides contact information for Delta Education for replenishment
<b>Materials Management</b>	Includes enough consumables for three (3) class uses of 32 students per class	Includes enough consumables for two (2) class uses of 32 students per class	Includes enough consumables for two (2) class uses of 32 students per class

\*\* Forthcoming features

