



## Correlation to Show Compatibility of *iScience - Earth Science* with the Next Generation Science Standards Performance Expectations and Disciplinary Core Ideas

*iScience* provides optimal flexibility for the initial implementation of the Next Generation Science Standards (NGSS) into your curriculum. This correlation to the Performance Expectations and Disciplinary Core Ideas (DCIs) will help guide and inform your curriculum decisions as you transition the NGSS into your science instruction.

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Methods of Science</b>		
1. Understanding Science		NOS4-NOS12
2. Measurement and Scientific Tools		NOS12-NOS20
3. Case Study: The Iceman’s Last journey		NOS20-NOS27
<b>Chapter 1 • Mapping Earth</b>		
1. Maps		8–16
2. Technology and Mapmaking		18–29
<b>Chapter 2 • Earth’s Structure</b>		
Chapter Opener	ESS1.B (MS-ESS1-2), ESS2.A (MS-ESS2-1)	TE: IM 38H; SCB 38E
1. Spherical Earth	ESS1.B (MS-ESS1-2), ESS2.A (MS-ESS2-2)	40-47 TE: GQ 42, 43, 44; T 45; VL 43
Careers in Science	ESS2.A (MS-ESS2-1)	47
2. Earth’s Interior	ESS2.A (MS-ESS2-1)	48-56
3. Earth’s Surface		58-65

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 3 • Minerals</b>		
1. What is a mineral?	MS-ESS2-1, ESS2.A (MS-ESS2-1); MS-ESS3-1	76-85 TE: TD 83; GQ 82, 83; VL 83
Careers in Science	MS-ESS3-1	85
2. How are minerals identified?		86-92
3. Relationships in Ecosystems	ESS3.A (MS-ESS3-1), ESS3.C (MS-ESS3-3)(MS-ESS3-4)	94-99 TE: DI 97; GQ 96, 97; TD 97; VL 96
Launch Lab	ESS3.A (MS-ESS3-1)	95
MiniLab	ESS3.A (MS-ESS3-1)	98

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 4 • Rocks</b>		
Chapter Opener	MS-ESS2-1, ESS2.A (MS-ESS2-1)	TE: SCB 108E
1. Rocks and the Rock Cycle	MS-ESS2-1, ESS2.A (MS-ESS2-1)	110-117 TE: DI 115; VL 115; GQ 114
MiniLab	MS-ESS2-1	115
Careers in Science	MS-ESS2-2, ESS2.A (MS-ESS2-2)	117
2. Igneous Rocks	MS-ESS2-1, ESS2.A (MS-ESS2-1)	118-124 TE: GQ 119; VL 121
Launch Lab	MS-ESS2-1, ESS2.A (MS-ESS2-1)	119
MiniLab	MS-ESS2-1	120
3. Sedimentary Rocks	MS-ESS2-1, MS-ESS2-2, ESS2.A (MS-ESS2-1)	125-130 TE: DI 127; FF 129; GQ 128
4. Metamorphic Rocks	MS-ESS2-1, ESS2.A (MS-ESS2-1)	132-137 TE: ACT 133; GQ 134
Launch Lab	MS-ESS2-1	133
Inquiry Extension	ESS2.A (MS-ESS2-1)	139
Problems 12, 13	MS-ESS2-1	145

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 5 • Weathering and Soil</b>		
Chapter Opener	MS-ESS2-2, ESS2.A (MS-ESS2-2)	TE: SCB 146E-F
1. Weathering	MS-ESS2-1, MS-ESS2-2, ESS2.A (MS-ESS2-2)	148-156 TE: ACT 155
Launch Lab	MS-ESS2-1	149
MiniLab	MS-ESS2-1	153
Inquiry Skill Practice	MS-ESS2-1	156
2. Soil	ESS2.A (MS-ESS2-2), MS-ESS3-1	157-165 TE: GQ 160, 161, 164; VL 164
Inquiry Lab	MS-ESS3-1	166-167

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
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**Chapter 6 • Erosion and Deposition**

Chapter Opener	MS-ESS2-2, ESS2.A (MS-ESS2-2)	TE: IM 174H; SCB 174E-F; GQ 174; IWS 174D
1. The Erosion-Deposition Process	MS-ESS2-2, ESS2.A (MS-ESS2-2), ESS2.C (MS-ESS2-2)	176-185 TE: FF 181; GQ 176, 177, 178, 179, 180, 182; VL 178, 183
Launch Lab	ESS2.C (MS-ESS2-2)	177
MiniLab	ESS2.C (MS-ESS2-2)	179
2. Landforms Shaped by Water and Wind	MS-ESS2-2, ESS2.A (MS-ESS2-2), ESS2.C (MS-ESS2-2), MS-ESS3-3	185-194 TE: GQ 186, 187, 188, 189, 190, 191; DI 189, 191; VL 188, 189, 191; CD 193
Problems 9-10	MS-ESS3-3	193
How Nature Works	MS-ESS2-2, ESS2.A (MS-ESS2-2)	185
Launch Lab	ESS2.C (MS-ESS2-2)	187
MiniLab	ESS2.C (MS-ESS2-2)	190
Inquiry Skill Practice	ESS2.C (MS-ESS2-2)	194
3. Mass Wasting and Glaciers	MS-ESS2-2, ESS2.A (MS-ESS2-2), ESS2.C (MS-ESS2-2), MS-ESS3-2, MS-ESS3-3, ESS3.B (MS-ESS3-2), ESS3.C (MS-ESS3-3)	195-201 TE: DI 195, 199; GQ 196, 197, 198; VL 199, 200; TD 201; CD 199
MiniLab	MS-ESS2-2, ESS2.C (MS-ESS2-2), ESS3.B (MS-ESS3-2)	198
Launch Lab	MS-ESS2-2, ESS2.A (MS-ESS2-2), ESS2.C (MS-ESS2-2)	196
Inquiry Lab	ESS2.C (MS-ESS2-2), MS-ESS3-2, MS-ESS3-3, ESS3.B (MS-ESS3-2)	202-203

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 7 • Plate Tectonics</b>		
Chapter Opener	ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3), ESS2.A (MS-ESS2-1), ESS2.A (MS-ESS2-2)	TE: IM 214H; SCB 214E-F
1. The Continental Drift Hypothesis	MS-ESS2-3, ESS2.A (MS-ESS2-2), ESS2.B(MS-ESS2-3)	216-223 TE: ACT 217; DI 219, 221; FF 219; GQ 217, 218, 219, 220; TD 219, 221; VL 218, 219, 220; BYR 223; AYR 223
Launch Lab	MS-ESS2-3, ESS2.B(MS-ESS2-3)	217
MiniLab	MS-ESS2-3, ESS2.B(MS-ESS2-3)	221
Careers in Science	MS-ESS2-3, ESS2.B(MS-ESS2-3)	223
2. Development of a Theory	MS-ESS2-3, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3)	224-231 TE: GQ 226,227; VL 226; DI 227
Launch Lab	ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3)	225
MiniLab	MS-ESS2-2, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3), ESS2.A (MS-ESS2-2)	227
Inquiry Skill Practice	MS-ESS2-3, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3)	231
3. The Theory of Plate Tectonics	MS-ESS2-2, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3), ESS2.A (MS-ESS2-1), ESS2.A (MS-ESS2-2)	232-241 TE: VL 236; TD 239
Math Skills	MS-ESS2-2	240
Inquiry Lab	MS-ESS2-3, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3)	242-243
Writing in Science	MS-ESS2-2, ESS2.A (MS-ESS2-2)	247

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 8 • Earth Dynamics</b>		
Chapter Opener	MS-ESS2-2	TE: SCB 250E-F
1. Forces that Shape Earth	MS-ESS2-1, MS-ESS2-2, ESS2.A (MS-ESS2-2)	252-259 TE: DI 257; VL 257
MiniLab	MS-ESS2-2	256
2. Landforms at Plate Boundaries	MS-ESS2-3, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3), ESS2.A (MS-ESS2-2)	260-267 TE: GQ 262, 263, 264; VL 263, 265
MiniLab	MS-ESS2-3, ESS1.C (HS.ESS1.C GBE)(secondary to MS-ESS2-3)	264
How Nature Works	ESS2.A (MS-ESS2-2)	267
3. Mountain Building	MS-ESS2-2, ESS2.A (MS-ESS2-2)	268-275
MiniLab	MS-ESS2-2	272
Inquiry Skill Practice	MS-ESS2-2, ESS2.A (MS-ESS2-2)	275
4. Continent Building	MS-ESS2-2, ESS2.A (MS-ESS2-2)	276-281 TE: GQ 269
MiniLab	MS-ESS2-2	278

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
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**Chapter 9 • Earthquakes and Volcanoes**

1. Earthquakes	MS-ESS2-2, MS-ESS3-2, ESS3.B (MS-ESS3-2)	292-305 TE: CIS 299; DI 301; GQ 302; RWS 303; VL 302
Launch Lab	MS-ESS2-2	293
Inquiry Skill Practice		305
2. Volcanoes	MS-ESS2-2, ESS2.A (MS-ESS2-2), MS-ESS3-2, ESS3.B (MS-ESS3-2)	306-315 TE: GQ 309, 314
Inquiry Lab	ESS3.B (MS-ESS3-2)	316-317

**Chapter 10 • Clues to Earth's Past**

Chapter Opener	ESS1.C (MS-ESS1-4)	TE: IM 324H; SCB 324E-F
1. Fossils	MS-ESS1-4, ESS1.C (MS-ESS1-4)	326-335 TE: GQ 332,333
Launch Lab	MS-ESS1-4, ESS1.C (MS-ESS1-4)	327
Careers in Science	MS-ESS1-4, ESS1.C (MS-ESS1-4)	335
2. Relative-Age Dating	MS-ESS1-4, ESS1.C (MS-ESS1-4)	336-343 TE: GQ 336, 337, 338, 339, 342; VL 341
Launch Lab	MS-ESS1-4, ESS1.C (MS-ESS1-4)	337
MiniLab	MS-ESS1-4, ESS1.C (MS-ESS1-4)	339
Inquiry Skill Practice	MS-ESS1-4, ESS1.C (MS-ESS1-4)	343
3. Absolute-Age Dating		345-351
Inquiry Lab	MS-ESS1-4, ESS1.C (MS-ESS1-4)	352-353



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**Chapter 11 • Geologic Time**

Chapter Opener	MS-ESS1-4, ESS1.C (MS-ESS1-4)	TE: IM 360H; IWS 360D
1. Geologic History and the Evolution of Life	MS-ESS1-4, ESS1.C (MS-ESS1-4), ESS2.A (MS-ESS2-2)	362-369 TE: GQ 364, 365, 367; VL 365
Inquiry Skill Practice	MS-ESS1-4	369
2. The Paleozoic Era	ESS1.C (MS-ESS1-4), ESS2.A (MS-ESS2-2)	370-377 TE: GQ 375
MiniLab	ESS2.A (MS-ESS2-2)	375
3. The Mesozoic Era	ESS1.C (MS-ESS1-4), ESS2.A (MS-ESS2-2)	378-385 TE: GQ 379, 381, 383
4. The Cenozoic Era	ESS2.A (MS-ESS2-2)	386-393 TE: GQ 388, 389
MiniLab	ESS2.A (MS-ESS2-2)	392

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 12 • Geologic Time</b>		
Chapter Opener	MS-ESS2-6, ESS2.A (MS-ESS2-1)	TE: SCB 406E-F
1. Describing Earth’s Atmosphere	ESS3.A (MS-ESS3-1)	408-416
Careers in Science	ESS3.C (MS-ESS3-3)	416
2. Energy Transfer in the Atmosphere	MS-ESS2-6, ESS2.D (MS-ESS2-6)	417-425 TE: TD 421; VL 421
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Inquiry Skill Practice	ESS2.D (MS-ESS2-6)	425
3. Air Currents	MS-ESS2-5, MS-ESS2-6, ESS2.C (MS-ESS2-5), ESS2.D (MS-ESS2-6)	426-432 TE: CA 429; DI 429; VL 428, 430; GQ 427, 428, 429, 430
Launch Lab	MS-ESS2-5, ESS2.C (MS-ESS2-5)	427
MiniLab	MS-ESS2-6	429
Inquiry Skill Practice	MS-ESS2-6, ESS2.C (MS-ESS2-5)	432
4. Air Quality	MS-ESS3-3, ESS3.C (MS-ESS3-3), ESS3.C (MS-ESS3-3)(MS-ESS3-4)	433-439 TE: DI 435, 437, 438; CD 437, 439; RWS 439
Launch Lab	ESS3.C (MS-ESS3-3)	434
MiniLab	ESS3.C (MS-ESS3-3)	437
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Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 13 • Weather</b>		
Chapter Opener	MS-ESS2-5, ESS2.C (MS-ESS2-5)	TE: IM 448H; SCB 448E-F
1. Describing Weather	MS-ESS2-5, ESS2.C (MS-ESS2-4), ESS2.C (MS-ESS2-5), ESS2.C (MS-ESS2-4)	450-457 TE: GQ 450, 454, 455; VL 454, 455
Launch Lab	MS-ESS2-4, ESS2.C (MS-ESS2-5)	451
MiniLab	ESS2.C (MS-ESS2-5)	453
Science & Society	ESS2.C (MS-ESS2-5), ESS2.D (MS-ESS2-6), ESS3.C (MS-ESS3-3)	457
2. Weather Patterns	MS-ESS2-5, ESS2.C (MS-ESS2-5), ESS2.D (MS-ESS2-6), MS-ESS3-2	458-469 TE: ACT 459, 467; DI 461, 463, 467; GQ 460, 461, 462, 463, 465, 467; VL 463, 466
MiniLab	MS-ESS2-5	461
Inquiry Skill Practice	MS-ESS2-5, ESS2.C (MS-ESS2-5)	469
3. Weather Forecasts	MS-ESS2-5, ESS2.D (MS-ESS2-5)	470-475 TE: GQ 471, 472, 474
Inquiry Lab	MS-ESS2-5, ESS2.D (MS-ESS2-5)	476-477

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 14 • Climate</b>		
Chapter Opener	MS-ESS2-6, ESS3.D (MS-ESS3-5)	TE: IWS 484D; SCB 484E-F
1. Climates of Earth	MS-ESS2-6, ESS2.D (MS-ESS2-6)	486-494 TE: VL 489; DI 489; GQ 488, 489; FF 489
MiniLab	ESS2.C (MS-ESS2-5), ESS2.D (MS-ESS2-6)	492
Inquiry Skill Practice	ESS2.D (MS-ESS2-6)	494
2. Climate Cycles	MS-ESS2-6, ESS2.D (MS-ESS2-6)	495-503 TE: VL 500; GQ 500, 501
MiniLab	MS-ESS2-6, ESS2.D (MS-ESS2-6)	501
Careers in Science	ESS2.D (MS-ESS2-6)	503
3. Recent Climate Change	ESS2.D (MS-ESS2-5), MS-ESS3-4, MS-ESS3-5, ESS3.C (MS-ESS3-3), ESS3.C (MS-ESS3-3)(MS-ESS3-4), ESS3.D (MS-ESS3-5)	504-511 TE: DI 507, 509, 510; GQ 506, 507, 510; ACT 509; FF 507; GQ 505, 506, 507, 508, 509, 510; VL 505, 507
Launch Lab	MS-ESS3-5	505
MiniLab	MS-ESS3-5, ESS3.D (MS-ESS3-5)	509
Problem 9	MS-ESS3-3	511
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Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 15 • Earth’s Water</b>		
Chapter Opener	MS-ESS2-4, ESS2.A (MS-ESS2-1), ESS2.C (MS-ESS2-4), ESS3.A (MS-ESS3-1)	TE: SCB 524E; IM 524H; GQ 524
1. The Water Planet	MS-ESS2-4, ESS2.A (MS-ESS2-1), ESS2.C (MS-ESS2-4), MS-ESS3-1, ESS3.A (MS-ESS3-1)	526-535 TE: DI 531, 532, 533; GQ 528, 532, 533; TD 533; VL 529, 530 533; T 531
2. The Properties of Water		536-544
3. Water Quality	ESS3.A (MS-ESS3-1), ESS3.C (MS-ESS3-3), ESS3.C (MS-ESS3-3)(MS-ESS3-4)	545-551 TE: GQ 546, 547, 548, 549; TD 549
MiniLab	ESS3.C (MS-ESS3-3)	548

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 16 • Oceans</b>		
Chapter Opener	MS-ESS2-6, ESS2.C (MS-ESS2-5), ESS2.C (MS-ESS2-4), ESS2.C (MS-ESS2-6)	TE: SCB 560F
1. Composition and Structure of Earth’s Oceans	ESS2.C (MS-ESS2-6)	562-571
2. Ocean Waves and Tides		572-579
3. Ocean Currents	MS-ESS2-6, ESS2.C (MS-ESS2-5), ESS2.C (MS-ESS2-4), ESS2.C (MS-ESS2-6), ESS2.D (MS-ESS2-6)	580-587 TE: ACT 583; VL 583, 584, 585; GQ 583, 584, 585; RWS 585
MiniLab	MS-ESS2-6, ESS2.C (MS-ESS2-6)	585
Inquiry Skill Practice		587
4. Environmental Impacts on Oceans	MS-ESS3-3, MS-ESS3-5, ESS3.C (MS-ESS3-3), ESS3.C (MS-ESS3-3)(MS-ESS3-4)	588-595 TE: GQ 590, 591, 592, 593; VL 593
Launch Lab	ESS3.C (MS-ESS3-3)	589
MiniLab	ESS3.C (MS-ESS3-3)	594
Inquiry Lab		596-597

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 17 • Freshwater</b>		
Chapter Opener	MS-ESS3-4, MS-ESS3-5	TE: SCB 604F; IM 604H
1. Glaciers and Polar Ice Sheets	MS-ESS3-1, MS-ESS3-5, ESS3.D (MS-ESS3-5)	606-615 TE: GQ 607, 612; VL 612
Launch Lab	MS-ESS3-1	607
Science & Society	ESS3.C (MS-ESS3-3)	615
2. Streams and Lakes	ESS3.C (MS-ESS3-3)	616-623
3. Groundwater and Wetlands	MS-ESS3-1, MS-ESS3-4	624-631 TE: ACT 625; GQ 625, 626, 627; TA 631
Inquiry Lab	ESS3.C (MS-ESS3-3)(MS-ESS3-4)	632-633

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 18 • Natural Resources</b>		
Chapter Opener	ESS3.A (MS-ESS3-1)	TE: SCB 640E-F
1. Energy Resources	MS-ESS3-1, MS-ESS3-3, MS-ESS3-4, ESS3.A (MS-ESS3-1), ESS3.C (MS-ESS3-3), ESS3.C (MS-ESS3-3)(MS-ESS3-4)	642-651 TE: DI 645; GQ 643, 644, 645, 646, 649; VL 644; FF 645; TA 647
Launch Lab	ESS3.A (MS-ESS3-1)	643
2. Renewable Energy Resources	MS-ESS3-3, ESS3.C (MS-ESS3-3)(MS-ESS3-4)	652-659 TE: GQ 665; CIS 657
Inquiry Skill Practice	MS-ESS3-3, ESS3.D (MS-ESS3-5)	659
3. Land Resources	MS-ESS3-1, MS-ESS3-3, ESS3.C (MS-ESS3-3)	660-667 TE: TA 663; GQ 662, 664, 665; A 665; DI 665
Green Science	MS-ESS3-3, ESS3.C (MS-ESS3-3)(MS-ESS3-4)	667
4. Air and Water Resources	MS-ESS3-3, ESS3.A (MS-ESS3-1)	668-673
Inquiry Lab	MS-ESS3-3	674-675



Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
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**Chapter 19 • Exploring Space**

1. Observing the Universe		688-697
2. Early History of Space Exploration		698-705
3. Recent and Future Space Missions	MS-ESS1-3	706-713 TE: DI 709; GQ 706, 709, 711; VL 708, 709

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 20 • The Sun-Earth-Moon System</b>		
Chapter Opener	MS-ESS1-1, ESS1.A (MS-ESS1-1), ESS1.B (MS-ESS1-1)	TE: IM 722H; IWS 722D; SCB 722E-F; GQ 722
1. Earth's Motion	MS-ESS1-1, MS-ESS1-2, ESS1.A (MS-ESS1-1), ESS1.B (MS-ESS1-2) (MS-ESS1-3), ESS1.B (MS-ESS1-1)	724-733 TE: DI 727, 729, 731; GQ 726, 727, 728, 729; TD 727; VL 727, 729, 731
MiniLab	MS-ESS1-2, ESS1.B (MS-ESS1-2) (MS-ESS1-3),	726
Inquiry Skill Practice	MS-ESS1-1, ESS1.B (MS-ESS1-1)	733
2. Earth's Moon	MS-ESS1-1, MS-ESS1-3, ESS1.A (MS-ESS1-1)	734-741 TE: DI 739; VL 737, 739; DI 737, 739; G 738, 739
Launch Lab	MS-ESS1-1, ESS1.A (MS-ESS1-1)	735
MiniLab	ESS1.A (MS-ESS1-1)	738
3. Eclipses and Tides	MS-ESS1-1, MS-ESS1-3, ESS1.A (MS-ESS1-1), ESS1.B (MS-ESS1-1)	742-749 TE: DI 745, 747; TD 747; VL 745, 746; GQ 742, 747, 747
Launch Lab	MS-ESS1-1	743
MiniLab	MS-ESS1-1, ESS1.B (MS-ESS1-1)	744
Inquiry Lab	MS-ESS1-1, ESS1.A (MS-ESS1-1)	750-751
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Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 21 • The Solar System</b>		
Chapter Opener	MS-ESS1-2, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	TE: IM 758H; IWS 758D; SCB 758E-F
1. The Structure of the Solar System	MS-ESS1-2, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	760-767 TE: TD 765; VL 765; ACT 763; GQ 762, 763
MiniLab	MS-ESS1-2, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	765
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2. The Inner Planets	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	768-775 TE: ACT 769, 773; GQ 769, 770, 771, 772, 773; VL 773
MiniLab	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	772
Inquiry Skill Practice	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	775
3. The Outer Planets	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	776-783 TE: GQ 776, 778, 779, 780, 781; TD 777; VL 779, 780; ACT 781
Launch Lab	MS-ESS1-3	777
Math Skills	MS-ESS1-3	779
4. Dwarf Planets and Other Objects	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	783-789 TE: GQ 781, 784, 786, 787; TD 785; VL 786, 787
Inquiry Lab	MS-ESS1-3, ESS1.B (MS-ESS1-2) (MS-ESS1-3)	790-791

Lesson/Feature Title	Performance Expectations & Disciplinary Core Ideas	Pages
<b>Chapter 22 • Stars and Galaxies</b>		
Chapter Opener	ESS1.A (MS-ESS1-1), ESS1.A (MS-ESS1-2)	SCB 798E, 798F
1. The View from Earth	ESS1.A (MS-ESS1-1)	800-807 TE: GQ 801; RWS 801
2. The Sun and Other Stars		808-815
3. Evolution of Stars		816-823
4. Galaxies and the Universe	MS-ESS1-2, ESS1.A (MS-ESS1-2)	824-831 TE: GQ 825, 827; V 824
MiniLab	MS-ESS1-2	827