

HOME STUDY SCIENCE ACTIVITIES

Choose at least one activity to complete for part of the home study assignment for the last week of school. The chosen activity must be documented and returned to school with the home study report. A lab report and an activity report is attached to this packet, which will aid in documenting activities which do not require a paper and pencil. Additional activities may be completed to add additional time to the home study report.

RESOURCE: *Focus on Earth Science* Textbook, Chapters 14-17 (continued on back)

For Monday, January 12: Chap 14, Sections 1 & 2

1. *Watching the Weather* project – page 439
2. *Discover: How long will the candle burn?* – page 440
3. Journal writing activity – page 441
4. *Try This* activity – page 442
5. *Real World Lab: How Clean is the Air?* – pages 444-445
6. *Discover: What's on the jar?* Page 446
7. *Sharpen Your Skills* journal writing activity – page 448
8. *Science at Home* activity – page 449
9. *You Decide* Essay writing – page 450

January 18: Martin Luther King, Jr Holiday; No Homework

For January 26: Chap 14, Sections 3&4

1. *Discover: Does Air Have Mass?* – page 451
2. *Try This: Soda-Bottle Barometer* – page 453
3. *Skills Lab: Working Under Pressure* – pages 454-455
4. *Science at Home* activity – page 456
5. *Discover: Is Air There?* – page 457
6. *Journal Writing Activity* – page 461
7. *Chapter 14 Assessment* – pages 464-465

For February 1: Chap 15, Sections 1 & 2

1. *Your Own Weather Station* project – page 467
2. *Discover: Does a Plastic Bag Trap heat?* – page 468
3. *Science at Home* activity – page 471
4. *Lab Skills: Heating Earth's Surface* – pages 472-473
5. *Discover: What happens when air is heated?* – page 474
6. *Try This: Temperatures at two heights* – page 476

For February 9: Chap 15, Sections 3-5

1. *Discover: Which Way Does the Wind Turn?* – page 478
2. *Try This: Build a Wind Vane* – page 479
3. *Real-World Lab: Where's the Wind?* – pages 480-481
4. *Journal Writing Activity* – page 484
5. *Discover: How Does Fog Form?* – page 487
6. *Sharpen Your Skills: Interpreting Data* – page 489
7. *Science at Home* – page 492
8. *Discover: How Can You Make Hail?* – page 493
9. *Sharpen Your Skills* – page 495
10. *Chapter 15 Assessment* – p 498-499

February 22: Chapter 16, Sections 1&2

1. *The Weather Tomorrow* project: page 501
2. *Discover: How do fluids behave?* – page 502
3. *Sharpen Your Skills Activity* – page 507
4. *Discover: Can You make a Tornado?* – page 509
5. *Try This: Lightning Distances* – page 510
6. *Journal Writing Activity* – page 513
7. *Visual Arts connection* – Journaling – page 516
8. *Science at Home Activity* – page 517
9. *Real-World Lab: Tracking a Hurricane* – page 518-519
10. *You Decide Essay* – page 520

March 1: Chapter 16, Sections 3&4

1. *Discover What Causes Floods?* – page 521
2. *Sharpen Your skills* – page 522
3. *Discover What's the Weather* – page 525
4. *Sharpen Your Skills* – page 528
- 5.

March 9: Chapter 17, Sections 1 & 2

1. *Investigating Microclimates Project* – page 537
2. *Discover How Does the Earth Affect Climate Change?* – page 538
3. *Sharpen Your Skills* – page 541
4. *Math Toolbox* – page 544
5. *Skills Lab: Sunny Rays* – pages 546-547
6. *Discover Different Climate Types* – page 548
7. *Try This Activity* – page 553
8. *Sharpen Your Skills* – page 555
9. *Science at Home* – page 557
10. *Real-World Science* – Climate Graphs - pages 558-559

March 15: Chapter 17, sections 3&4

1. *Discover: Tree Rings* – page 560
2. *Social Studies Journaling Activity* – page 563
3. *Discover Greenhouse Effect* – page 565
4. *Try This Activity* – page 567
5. *Science at Home* – page 568
6. *Chapter 17 Assessment* – pages 50-571

March 22: Chapter 9, Sections 1-3

1. Project 9 - page 267: Monitoring water use
 2. *Discover: Water, water everywhere* – p 268
 3. *Sharpen Your Skills* – page 272
 4. *Discover Properties of Water* – p 275
 5. *Try This: Follow That String* – p 277
 6. *Try This: Comparing Solvents* – p 278
 7. *Language Connections* – writing an ad – p 280
 8. *Science at Home* – Penny activity – p 281
 9. *Speeding Up Evaporation Skills Lab* – p 282
- Continue with Sections 3 & 4 Activities as desired.