

*Tap into
Learning*

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Spigot

Trickles: a teaching guide

Water

Check out our website:
<http://www.spigotsciencemag.com>

TRICKLES: a teaching guide ~ ~ **Water, Vol. 1, No. 1, January/February 2008**

Why Spigot? p. 5
Reading Level: 4.2

Interesting Things About Water p. 6
Vocabulary: H₂O, dihydrogen monoxide, cohesion, surface tension
Skill: understanding new vocabulary words/concepts
Reading Level: 4.8 Standard: A

More Interesting Things About Water p. 7 Vocabulary: absorbed, capillary action, adhesion, capillaries, hydrated, dehydrated
Skill: Recognizing cause and effect
Reading Level: 7.5 Standard: A,B

See Capillary Action, p. 7
Reading Level: 5.0 Standard: A,B

Even More Interesting Things About Water p. 8
Vocabulary: solid, liquid, gas, water vapor, evaporating, solvent
Skill: Comparing and contrasting three states of water
Reading Level: 6.5 Standard: A,B, D

Messing Around With Water p. 9-10
Activities 1,2, and 3
Skill: Following directions, observing, predicting, concluding
Reading Level: 5.1 Standard: B

Water, Water poem p. 10
Skill: oral reading with rhyme and rhythm

The Hydrologic Cycle p. 11
Vocabulary: hydrologic cycle, evaporation, condensation, precipitation
Skill: Sequence of events, following directions
Reading Level: 3.6 Standard: A,B

Where In The World Is Water? p. 12
Skill: map reading, interpreting graphs and pictures
Reading Level: 6.0

Water by the Numbers p. 13
Reading Level: 5.0

Rain Falls, Land Moves p.14-15
Skill: oral reading with meaning, recognizing poetic devices: alliteration, personification, similes, metaphors

Water Crossword Puzzle p. 16
Skill: Vocabulary development, spelling

DROP-IT! Word Game, p. 17
Skill: visual-auditory memory, word meaning, spelling

Deserts Of The World p. 18
Vocabulary: desert, desertification
Skill: Literal, inferential, creative comprehension
Reading Level: 4.9 Standard: C,D

A Gift From The Desert p. 19
Vocabulary: turbine, generator
Skill: Inferential comprehension—main idea Reading Level: 7.9 Standard: B

Frozen Water p. 20
Vocabulary: glacier, dense, calving, calves Skill: Locate specific information about glaciers
Reading Level: 4.7 Standard: D

A Gift From the North Pole p. 21
Vocabulary: fabled, impenetrable, seismologists Skill: Cause and effect
Reading Level: 7.1 Standard: D

Weird and Wonderful Water Spouts p. 22-24
Vocabulary: arachnid, waterspout, gargoyle
Skill: Locating specific details about gargoyles
Reading Level: 8.8 Standard: G

An Ancient Water System p. 25
Vocabulary: ancient, aqueducts, gravity, arcade
Skill: Descriptive writing
Reading Level: 6.5 Standard: G

Here's To Your Health p. 26
Vocabulary: water cycle, water system, dehydrated, hydrated
Skill: Summarizing main idea using words from the text
Reading Level: 4.9 Standard: F

How Much Water Do You Drink? p. 27
Skill: Creating a chart
Reading Level: 3.6 Standard: F

Making Music With Water p. 28
Skill: Following directions, composing music by ear
Reading Level: 5.8

Water Pollution: What Can We Do? p. 29
Vocabulary: pollution
Skill: Following directions, library/internet research skills, Problem/solution writing
Reading Level: 5.8 Standard: A

The Seven Underwater Wonders Of The World p. 30
Skill: Library/internet research, group work, multiple learning styles
Reading Level: 8.1 Standard: A

Note:
Reading levels are measured by the Flesch-Kincaid method.
Science standards refer to the National Science Content Standards: <http://www.nap.edu/readingroom/books/nses/>