Career Town

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Ways to turn VA Career VIEW’s Career Town into a complete career and educational learning experience!

Not just a computer program
- Classroom Activities
- Hands on Fun
- Involve parents and the community in career exploration with kids!
- Create projects that meet academic standards!
- Integrate Career Exploration into the classroom curriculum

Get Started

Go to www.vacareerview.org
Click on Students then Grades K-5
Click on Career Town
Click on Level 2

This guide contains the following for each Level 2 Career Town Activity:

• A brief description of each activity
• Corresponding Career Learning Area Clusters
• Corresponding Virginia Standards of Learning
• Additional Hands on Activities
• Field trip Ideas
• Guest Speaker Ideas
• Corresponding books

Virginia Career VIEW
www.vacareerview.org

A free career exploration and educational planning website for grades K-adults!
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<th>Location</th>
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<th>Description</th>
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<td>Drawing items related to occupations</td>
</tr>
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<td>Match items to occupations</td>
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<tr>
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<td>Career Mart</td>
<td>1</td>
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<td>6. Underwater Expedition</td>
<td>Submarine</td>
<td>1</td>
<td>Counting Money</td>
</tr>
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<td>Groceries</td>
<td>1</td>
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</tr>
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</tr>
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<td>10. Science Lab</td>
<td>Museum</td>
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<td>Multiple choice questions about science careers</td>
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<tr>
<td>11. Operation Excavation</td>
<td>Museum</td>
<td>2</td>
<td>Uncover pieces of ancient treasures in this archaeological dig.</td>
</tr>
<tr>
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<td>Train Station</td>
<td>2</td>
<td>Construct your own dinosaur</td>
</tr>
<tr>
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<td>Train</td>
<td>2</td>
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<td>14. Ads on the Go</td>
<td>Luggage</td>
<td>2</td>
<td>Use graphics to create your own advertisement.</td>
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<tr>
<td>15. Matching</td>
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<td>2</td>
<td>Match objects to occupations</td>
</tr>
<tr>
<td>16. Nutrition Matters</td>
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<td>3</td>
<td>Select healthy foods</td>
</tr>
<tr>
<td>17. Ticket Typing</td>
<td>Parade</td>
<td>3</td>
<td>Type to learn about air transportation occupations</td>
</tr>
<tr>
<td>18. Careers on Parade</td>
<td>Runway</td>
<td>3</td>
<td>Test typing skills and knowledge about a variety of careers</td>
</tr>
<tr>
<td>19. Luggage Load Up</td>
<td>Helicopter</td>
<td>3</td>
<td>Learn how weight affects speed</td>
</tr>
<tr>
<td>20. Career Chopper</td>
<td>Lemonade Stand</td>
<td>3</td>
<td>Fill out basic information about occupations you choose</td>
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<tr>
<td>21. Lemonade!</td>
<td>Book Mobile</td>
<td>3</td>
<td>Measure and mix the right batch of lemonade.</td>
</tr>
<tr>
<td>22. A Book About Me</td>
<td>Airplane</td>
<td>3</td>
<td>Use graphic design to create a digital book</td>
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Field Trip &
Guest Speaker Ideas

Agriculture, Food & Natural Resources
Architecture & Construction
Arts, A/V Technology & Communications
Business, Management & Administration
Marketing, Sales, & Service
Human Services
Science, Technology, Engineering & Mathematics
Transportation, Distribution, & Logistics

Occupation Focus: Park Ranger, Roofer, Real Estate Agent, Electrical Engineer, Graphic Artist, Lab Technician, Air Traffic Controller, Family Services Worker

Activity Expansion:

- Create a hands on lab by having students experiment with mixing different levels of water colored with food coloring in beakers and test tubes. Have younger students use eye droppers to move liquids from one container to another. Experiment with mixing liquids and solids such as salt, sugar, dirt, etc.

- Bring in a variety of tools and have students list what occupations would use each tool.

Older students can research and write a report on one or more of the following occupations:
- Park Ranger
- Roofer
- Real Estate Agent
- Electrical Engineer
- Air Traffic Controller
- Lab Technician
- Graphic Artist
- Family Services Worker
- Include the description, duties, level of education needed, and a picture showing tools used in the occupation.

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Career Town Activity: View’s Clues

Level II

Description: Use clues to label occupations

Career Clusters

Agriculture, Food & Natural Resources
Architecture & Construction
Arts, A/V Technology & Communications
Business, Management & Administration
Marketing, Sales, & Service
Human Services
Science, Technology, Engineering & Mathematics
Transportation, Distribution, & Logistics

Occupation Focus: Park Ranger, Roofer, Real Estate Agent, Electrical Engineer, Graphic Artist, Lab Technician, Air Traffic Controller, Family Services Worker

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Virginia Standards of Learning

Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7

English:
Reading: 1.5, 1.6 e, f, 1.7a, 2.4, 3.3, 4.3a

History & Social Sciences:
Geography K.6

School Counseling Standards:
Academic Development, EA3, EA5, EA7, EA9
Career Development: EC1, EC2, EC5, MC1, MC4, MC5
Personal/ Social Development: EP3

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Field Trip &
Guest Speaker Ideas

- Invite someone with the occupations listed in this activity to be a guest speaker at a career day.
- Take a field trip to a national forest or park to visit a Park Ranger.
- Take a field trip to an airport.
- Visit the local newspaper advertisement department to learn about graphic design.
- Take a field trip around the school and identify which occupations worked on different areas of the school (ex. Roofer, painter, etc.)

- Ask students to bring in items that were made with tools for show and tell. Identify what tools were used to make the item.

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Books

**Roofer- Building Books**
- Elisha Cooper
  - Building
  - The process of construction, step by step, from clearing the site to cleaning up the finished building.

- Sue Tarsky
  - The Busy Building Book
  - What happens on the construction site for a new office building.

- Gail Gibbons
  - Up Goes the Skyscraper!
  - How a House is Built

- Tom Birdseye
  - A Kids’ Guide to Building Forts

- Gail Gibbons
  - How a House is Built

- Air Traffic Controller Books:
  - A Day with Air Traffic Controllers (Hard Work) by Joanne Winne
  - Wings and Rockets: The Story of Women in Air and Space (Hardcover) by Jean nine Atkins

- Amelia Earhart's Daughters: The Wild And Glorious Story Of American Women Aviators From World War II To The Dawn Of The Space Age by Leslie Haynsworth

- Park Ranger Books:
  - Hey Ranger!: True Tales of Humor & Misadventure from America’s National Parks by Jim Burnett
  - I'm Just a Seasonal: The Life of a Seasonal Ranger in Yosemite National Park by Thomas A. Smith
  - Ranger Trails: Jobs of Adventure in America’s Parks by Jeff Yanuchi, Lori Yanuchi, James R. Morris
  - Park Ranger True Stories from a Ranger’s Career in America’s National Parks by Nancy Eileen Musleady-Mecham
  - Books about Real Estate: The Berenstain Bears’ Moving Day (First Time Books by Stan Berenstain and Jan Berenstain
  - We’re Moving (First-Time Stories) by Heather Mainsner and Kristina Stephenson
  - Goodbye House (Moonbear Books) by Frank Asch
  - Let's Move Together by Carol M. Schubeck
  - Who Will Be My Friends? (Easy I Can Read Series) by Syd Hoff
  - Lucy's New House Hardcover by Barbara Taylor Cork
  - Alexander, Who's Not (Do You Hear Me? I Mean It!) Going to Move Paperback by Judith Viorst
  - Moving House (Usborne First Experiences) by Anne Civardi
  - Boxes, Boxes Everywhere by Jane Schettle

- Electrical Engineering Books
  - Thomas Edison: Young Inventor (Childhood of Famous Americans) by Sue Guthridge
  - Time For Kids: Thomas Edison: A Brilliant Inventor (Time For Kids) by Editors of TIME For Kids
  - Thomas Edison for Kids: His Life and Ideas, 21 Activities (For Kids series)
  - Young Thomas Edison by Michael Dooling
  - A Picture Book of Thomas Alva Edison (Picture Book Biography) by David A. Adler, John C. Wallner, and Alexandra Wallner

- Books about working in a lab:
  - Detective Science: 40 Crime-Solving, Case-Breaking, Crook-Catching Activities for Kids by Jim Wiese
  - Action Books Detective Tool Kit: Investigate everyday mysteries with forensic science! by Chris Oxlade

- Books about Graphic Design
  - A Book About Design: Complicated Doesn't Make It Good by Mark Gonyea
  - The Art & Craft of Graphic Design: Techniques and Projects by Julia Dunlop and Patricia Schreiber
Field Trip & Guest Speaker Ideas

Agriculture, Food & Natural Resources
Health Science
Information Technology
Science, Technology, Engineering & Mathematics

Occupation Focus:
Biochemist, Environmental Scientist, Mathematician, Geologist, Anthropologist, Physicist, Chemist, Laser Technician, Pharmacist

Research and report on one of the following careers:
Biochemist
Environmental Scientist
Mathematician
Geologist
Anthropologist
Physicist
Chemist
Laser Technician
Pharmacist

-include the description, duties, level of education needed, and a picture showing tools used in the occupation.

-Set up simple science centers around the class for exploration:
- Different shapes, textures, and colors of rocks.
- Different leaves and a magnifying glass
- Different types of soil such as clay, sand, potting soil, fill dirt, etc.
- A balloon to test out static electricity

Invite small groups to visit each center and complete a short worksheet complete with questions about the experiments and observations.

- Invite one or more people with the following careers to visit as a guest speaker on a career day:
Biochemist
Environmental Scientist
Mathematician
Geologist
Anthropologist
Physicist
Chemist
Laser Technician
Pharmacist

Visit a park, wildlife refuge, or other area where an environmental scientist may gather data. Have students record their observations, make measurements, etc. After a few months, return to that same area to note changes in the students’ observations.

Career Town Activity: Science Lab
Level II
Description: Multiple choice questions about science careers

Activity Expansion:

Virginia Standards of Learning
Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T K-2.5, C/T 3-5.4, C/T K-2.6, C/T 3-5.6, C/T K-2.6, C/T 3-5.7
English:
Reading: 2.4, 2.5, 2.6, 2.8 c,e,d, 3.3, 3.6 b, c, d, 4.3, 4.5 d, e, g, 5.4
History & Social Sciences: Geography K.6

Standards of School Counseling:
Academic Development: EA2, EA4, EA5, EA7, EA9
Career Development: EC1, EC3, EC5, EC10, MC1
Science Careers for Kids (Cards - Dec 1999)

Astrobiologist (Weird Careers in Science) by Mary Firestone

Volcanologist (Weird Careers in Science) by Mary Firestone

Animal Therapist (Weird Careers in Science) by Kay Frydenborg

SETI Scientist (Weird Careers in Science) by Mary Firestone

Pyrotechnician (Weird Careers in Science) by Mary Firestone

Virus Hunter (Weird Careers in Science) by Rick Emmer

Cave Sleuths: Solving Science Underground (Science On The Edge) by Laurie Lindop

Computer Game Developer (Weird Careers in Science) by Mary Firestone

Real People Working in Science by Blythe Camenson

Crime Scene Detective: Using Science And Critical Thinking to Solve Crimes by Karen Schulz

190 Ready-to-Use Activities that Make Science Fun by George Watson

Science (Discovering Careers for Your Future Series) by Carol Yehling

Painless Science Projects (Painless Series) by Faith Hickman Brynie Ph.D.

Dignifying Science: Stories About Women Scientists by Jim Ottaviani, Donna Barr, Mary Fleener, and Ramona Fradon

Flash! Bang! Pop! Fizz!: Exciting Science for Curious Minds by Janet Parks Chahrour

Science Experiments You Can Eat: Revised Edition by Vicki Cobb and David Cain


Career Town Activity: Operation Excavation
Level II
Description: Uncover pieces of ancient treasures in the archaeological dig.

Career Clusters
Education & Training

Occupation Focus:
Sociologist, Archaeologist, Anthropologist, Museum Curator, Historian

Activity Expansion:
-Create hands on learning centers that focus on excavation procedures such as:

Use a shallow container of sand to place objects such as costume or plastic jewels, plastic dishes, dog biscuits (representing bones) and more. Give students small paint brushes and a plastic trowel to excavate and record items found.

Have students inventory items that were found in the sand using descriptions, condition ratings, and more. Students can even categorize items and set up display boxes as in a museum.

Make and bury a time capsule for the class.

-Bury various items to see the effects of weather, soil, temperature and more on the different materials. Bury rocks, metal, glass, paper, styrofoam, pencils, and plastic

Field Trips
Visit any local historical areas that have items recovered from archaeological digs on display such as museums, historical sites, etc.

Virginia Standards of Learning

Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7
History & Social Sciences:
History: 2.1, Geography, K.5, 1.4a, 2.6, 3.6
Math: 2.4, 3.5, 3.6
English: Oral Lang. 1.1a, 1.2b, 2.2c;
Reading: 1.5, 2.4, 3.3
School Counseling Standards:
Academic Development: EA2, EA5, EA7
Career Development: EC1, EC3, EC5, EC6, EC10, MC1

Websites:
http://digonsite.com/- great site with historical and science related online quizzes, games, lesson plans and more!

The United States Department of the Interior, Bureau of Land Management produces a really excellent set of lesson plans in archaeology called Intrigue of the Past. The lesson plans are well constructed, easy to follow, and not necessarily culturally specific. Each lesson includes objectives, materials, vocabulary, some background information, procedure, and evaluation. Activity sheets are can be photocopied. There are 28 lessons in all, including the following: Observation and Inference, Chronology: The Time of My Life, It's in the Garbage, Griding a Site, Artifact Classification, and Artifact Ethics.

For information on how to acquire your own copy of Intrigue of the Past, contact:

Cultural Heritage Education Program
Bureau of Land Management
Anasazi Heritage Center
P.O. Box 758
Dolores, Colorado 81323
(970)882-4811
All Ages:

The Magic School Bus Shows And Tells: A Book About Archaeology (Magic School Bus) by Joanna Cole and Bruce Degan

Archaeology for Kids: Uncovering the Mysteries of Our Past, 25 Activities (For Kids series) by Richard Panchyk

Older Students

The Usborne Young Scientist Archaeology (Young Scientist) by Barbara Cork & Struan Reid

Eyewitness: Archeology (Hardcover) by Jane McIntosh

Story of Archeology in the Americas by M. Elting

Avery Hart

Pyramids! 50 Hands-On Activities to Experience Ancient Egypt

Mesopotamia (Excavating the Past) by Jane Shuter

Eyewitness: Early Humans by DK Publishing

The timeless trail;: Adventures in archeology by Heinz Sponsel

Ancient Egypt (Excavating the Past) by Jackie Gaff

Tales of Ancient Egypt (Puffin Classics) by Roger Lancelyn Green

Pyramid by David Macaulay

The Golden Goblet (Newbery Library, Puffin) by Eloise Jarvis McGraw

Mara, Daughter of the Nile (Puffin Story Books) by Eloise Jarvis McGraw

Tut's Mummy: Lost...And Found (Step-Into-Reading, Step 4) by Judy Donnelly

The Cat of Bubastes: A Tale of Ancient Egypt (Adventure) by G. A. Henty

Spend the Day in Ancient Egypt: Projects and Activities That Bring the Past to Life (Spend The Day Series) by Linda Honan

The Pharaohs of Ancient Egypt (Landmark Books) Paperback by Elizabeth Payne

Life in Ancient Egypt Coloring Book Paperback by John Green

Mummies (All Aboard Reading) Paperback by Joyce Milton

Ancient Egypt/Book and Treasure Chest (Working for Myself) by George Hart

Lift the Lid on Mummies: Unravel the Mysteries of Egyptian Tombs and Make Your Own Mummy! by Jacqueline Dineen

Younger Students

Life in Ancient Egypt Coloring Book by John Green and Stanley Appelbaum

Pyramids! 50 Hands-On Activities to Experience Ancient Egypt

Mummies, Pyramids, and Pharaohs: A Book About Ancient Egypt by Gail Gibbons

Ms. Frizzle's Adventures: Ancient Egypt

Mummies Made in Egypt (Reading Rainbow Book) by Alik

Ancient Egypt (Curious Kids Guides) by Philip Steele

Ancient Egypt (Make it Work! History) by Andrew Haslam

Spend the Day in Ancient Egypt: Projects and Activities That Bring the Past to Life (Spend The Day Series) by Linda Honan

Bill and Pete Go Down the Nile by Tomie DePaola

Egyptian gods & goddesses (All Aboard Reading Level 2) by Henry Barker

Archaeologists Dig for Clues (Let's-Read-and-Find-Out Science 2) (Paperback) by Kate Duke

I Can Be an Archaeologist (I Can Be Books) by Robert B. Pickering
Career Town Activity: Dinosaur Room
Level II
Description: Construct your own dinosaur

Activity Expansion:

-Create a dinosaur dig. Place various sizes of dog biscuits in the shape of bones, in a sand box. Break some of the bones, place bones of different colors together, etc.

-Give student teams an outline of a dinosaur with drawings and colors of specific bones that match the dinosaur. See below.

-Have students use plastic trowels and large paint brushes to “excavate” the bones, matching the size, shape, and color to their dinosaur. Then, use glue to repair the bones and glue them onto the dinosaur poster.

-This is more fun when students can do this activity outside and wear clothes similar to real archeologists.

-Students can have a bones checklist to keep a tally of all of the bones they find to match their dinosaur.

-Students can also write a report on the type of dinosaur they reconstruct.

Career Clusters
Science, Technology, Engineering, & Mathematics
Education & Training

Occupation Focus: Paleontologist, Geoscientists, Archaeologists

Virginia Standards of Learning
Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7

English:
Writing: K11, K12, 1.12, 2.11, 3.9, 3.10, 4.7, 5.8

School Counseling Standards:
Academic Development: EA2, EA5, EA7
Career Development: EC1, EC3, EC5, EC10

Cool Dinosaur Websites
- www.kidsdomain.com/brain/dino/index.html
- www.kidsdomain.com/kids/links/Dinosaurs.html
- www.kidsdinos.com/
- http://content.scholastic.com/browse/article.jsp?id=4740

Field Trip & Guest Speaker Ideas
- Invite an archaeologist to visit or a paleontologist.
- Invite a professor from a local college or university to discuss dinosaurs and how they are displayed, excavated, preserved, etc. In museums.
- Take a trip to a local museum that has dinosaur bones exhibited.
<table>
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<th>Books</th>
<th>Younger Students</th>
<th>All Ages</th>
<th>Older Students</th>
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<tbody>
<tr>
<td>Digging Up Dinosaurs (Let's-Read-and-Find-Out Science Book) by Aliki</td>
<td>The Magic School Bus In The Time Of The Dinosaurs (Magic School Bus) by Joanna Cole and Bruce Degen</td>
<td>Dinosaur Atlas by DK Publishing</td>
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<tr>
<td>My Visit to the Dinosaurs (Let's-Read-and-Find-Out Science Book) by Aliki</td>
<td>Dinosaur Days (Step into Reading, Step 3) by Joyce Milton and Richard Roe</td>
<td>Dinosaurs (DK Guide) by David Lambert</td>
<td></td>
</tr>
<tr>
<td>Dinosaur Bones (Let's-Read-and-Find-Out Science 2) by Aliki</td>
<td>National Geographic Dinosaurs by Barrett</td>
<td>What Happened to the Dinosaurs? (Let's-Read-and-Find-Out Science 2) by Franklyn M. Braden and Marc Simont</td>
<td></td>
</tr>
<tr>
<td>Dinosaurs Are Different (Let's-Read-and-Find-Out Science 2) by Aliki</td>
<td>How Big Were the Dinosaurs? by Bernard Most</td>
<td>Whatever Happened to the Dinosaurs? by Bernard Most</td>
<td></td>
</tr>
<tr>
<td>My First Jumbo Book Of Dinosaurs by Melanie Gerth and Jim Diaz</td>
<td>First Dinosaur Encyclopedia by DK Publishing</td>
<td>Life-Size Dinosaurs by David Bergen</td>
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<tr>
<td>The Days of the Dinosaur Coloring Book (Colouring Books) by Matthew Kalmenoff</td>
<td>Bones, Bones, Dinosaur Bones by Byron Barton</td>
<td>Dinosaur Detectives (The Magic School Bus Science Chapter Book 9) by Judith Bauer Stamper and Ted Enik</td>
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<tr>
<td>My Big Dinosaur Book (Priddy Books Big Ideas for Little People) by Roger Priddy</td>
<td>The Natural History Museum Book of Dinosaurs by Tim Gardom and Angela Milner</td>
<td>Dinosaur Hunters (Step into Reading) by Kate Mcmullan and John Randolph Jones</td>
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<tr>
<td>Harry and the Bucketful of Dinosaurs by Ian Whybrow</td>
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<td>Simon &amp; Schuster's Guide To Dinosaurs And Other Prehistoric Animals by Philip Whitfield</td>
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<tr>
<td>Harry and the Dinosaurs at the Museum by Ian Whybrow</td>
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<td>A Dinosaur Named Sue: The Find of the Century (Hello Reader!, Level 4) (Hello Reader) by Fay Robinson</td>
<td></td>
</tr>
<tr>
<td>Harry and the Dinosaurs Say &quot;Raahh!&quot; by Ian Whybrow</td>
<td></td>
<td>Walking with Dinosaurs: A Natural History by Tim Haines</td>
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<tr>
<td>Dinosaur Babies (Step-into-Reading: A Step 2 Book) by Lucille Rech Penner and Peter Barrett</td>
<td></td>
<td>Dinosaur Named Sue: The World's Most Complete T. Rex (Hello Reader) by Pat Relf</td>
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<td>Dinosaurs (Magic Tree House Research Guide, paper) by Will And Ma Osborne and Sal Murdocca</td>
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<td>Hunting Dinosaurs by Louie Psihoyos</td>
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<td>How Dinosaurs Took Flight: The Fossils, the Science, What We Think We Know, and Mysteries Yet Unsolved (Outstanding Science Trade Books for Students K-12 (Awards)) by Christopher Sloan</td>
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</tbody>
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Field Trip & Guest Speaker Ideas

**Activity Expansion:**

- Have a trip around the world student day. Each student researches somewhere around the world and creates a poster advertising the place including the climate, terrain, average temperature, fun things to do, ways to get there, places to stay, and more.
- Older students can create brochures or flyers on the computer.
- Bring in a model train set for younger students.
- Integrate time and travel into math lessons.
- Have students research the history of trains to the present. Compare the speeds of these trains, fuel, and other differences.
- Have students create their own type of train by creating a drawing or model.
- Have students create a pretend play train station, hotel desk, and airport using large appliance boxes, pretend tickets, and signs advertising times for departures, arrivals, and check ins. Older students can take time changes into

**Career Clusters**

Business Management & Administration
Hospitality and Tourism
Transportation, Distribution, & Logistics

**Occupation Focus:**
Train Engineer, Ticket Agent, Travel Agent, Train Conductor, Railway Station Assistant

**Virginia Standards of Learning**

| Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7 |
| Math: K.8, K.9, 1.11, 2.16, 3.15, 3.16, 5.12 |
| English: Reading: 2.4c, 2.5, 3.3, 3.6d, 3.7b |

**School Counseling Standards:**
Academic Development: EA2, EA4, EA5, EA7
Career Development: EC3, EC5, EC10

**Career Town Activity: Train Time 411**

**Level II**
Description: Learn how to tell time and learn about transportation

**Cool Websites:**

- www.trakkies.co.uk/
- www.free-coloring-pages.com/trains.html
- web-japan.org/kidsweb/travel/train/index.html
- http://ksnn.larc.nasa.gov/k2/m_measureTime.html
- www.apples4theteacher.com/java/telling-time/
- www.apples4theteacher.com/clocks.html

http://www.careersinrail.org/
### All Students:

- Big Book Of Trains by DK Publishing
- The Incredible Story of Trains (Kid’s Guide to Incredible Technology) by Greg Roza
- Diesel Locomotives (Stone, Lynn M. Trains.) by Lynn M. Stone
- Seymour Simon’s Book of Trains by Seymour Simon
- Let’s look at trains (Let’s look at series) by Ernest Frank Carter
- Freight Trains (Transportation) by Darlene R. Stille
- Trains and Real Locomotives by William, Trombello and Brian, Duskin

### Younger Students:

- My Big Train Book (Priddy Books Big Ideas for Little People) by Roger Priddy
- The Boy Who Loved Trains (Read-It! Readers) (Read-It! Readers) by Jill Kalz and Sahin Erkocak
- Railways and Trains (Beginner’s Knowledge Series) by Caroline Young
- This Train by Paul Collicutt
- Train Song: A Little Lionel Book About Sounds (Lionel)

### All Students:

- Trains) by Catherine Lukas and Richard Torrey
- Terrific Trains (Amazing Machines) by Tony Mitton
- All Aboard Trains (Reading Railroad Books) by Deborah Harding
- Trains (By Air, Sea, and Land) by Paul Stickland
- The Little Train by Lois Lenski
- Two Little Trains by Margaret Wise Brown and Leo and Diane Dillon

### Younger Students:

- Telling Time: Younger Students
  - My Book of Easy Telling Time: Learning about Hours and Half-Hours by Shinobu Akaishi and Eno Sarris
  - Time & Money: Best-Ever Activities for Grades 2-3 by Deborah Rovin-Murphy and Frank Murphy
  - Wipe Clean Telling Time by Roger Priddy
  - Maurice Sendak’s Seven Little Monsters: What Time is It? - Book #4 (Maurice Sendak’s Seven Little Monsters) by Arthur Yorinks
  - Telling Time: How to Tell Time on Digital and Analog Clocks! by Jules Older and Megan Halsey
  - My Book of Telling Time: Learning About Minutes (Kumon Workbooks) by Shinobu Akaishi and Eno Sarris

### Older Students

- Chicken Socks: How to Tell Time by Inc. Klutz
- Telling the time with Goofy (Read and grow library) by Joanne Mattern
- Telling Time (DK Readers. Level 2) by DK Publishing
- Telling Time with Diego (Go, Diego, Go!) by Lara Bergen and Alex Maher
- Bunny Day: Telling Time from Breakfast to Bedtime by Rick Walton and Paige Miglio

### Telling Time: Older Students

- The History of the Clock (The Time-line Library, Our Changing World) by Barbara A. Somervill

### Older Students

- Steam, Smoke, and Steel: Back in Time with Trains by Patrick O’Brien
- Riding The Rails: Rail Travel Past And Present (Travel Through Time) by Jane Shuter
- Superpower: The Making of a Steam Locomotive by David Weitzman
- High Speed Trains by Holly Cefrey
- Bullet Trains (Reading Power) by William Amato
- Trains (Pull Ahead Transportation) by Lee Sullivan Hill and Howard Ande
Field Trip &
Guest Speaker Ideas

Career Clusters
Arts, A/V Technology & Communications
Business Management & Administration
Information Technology
Marketing, Sales, and Service
Occupation Focus:
Graphic Designer, Marketing Executive, Artist, Editor,
Graphic Artist,

Activity Expansion:
- Have students create their own advertisements for products, books, foods, etc. Using poster board or working on the computer with graphics and digital photos.
- Have older students look at various magazine ads and discuss the following:
  1. What is being advertised?
  2. What is shown on the ad?
  3. What is printed on the ad?
  4. What is the ad saying to the consumer?
  5. What is the ad saying about the product?
  6. How does this ad specifically relate to the product?
  7. What other messages is this ad trying to send?
- Using a camcorder or digital camera, have students create their own ads for different products.
- Have students create advertisements for school events, school menus, etc.
- Complete “Careers in Design” at www.vacareerview.org/pdf/publications/Careers_in_Design.PDF

Virginia Standards of Learning
Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7
English
Reading: 1.5, 1.6, 2.4, 2.9b, 3.3, 3.4d, 3.7
Writing: K11, K12, 1.12, 2.11, 3.9, 4.7 abceg, 5.8

School Counseling Standards:
Academic Development: EA5, EA7
Career Development: EC3, EC5, E10

Career Town Activity: Ads on the Go
Level II
Description: Use graphics to create your own advertisement

Cool Websites:
http://pbskids.org/dontbuyit/advertisingtricks/
http://pbskids.org/dontbuyit/teachersguide/createlyourownad.html
http://www.google.com/Top/Kids_and_Teens/Sports_and_Hobbies/
Older Students
A Book About Design: Complicated Doesn't Make It Good by Mark Gonyea

Picture This: How Pictures Work by Molly Bang

The Art & Craft of Graphic Design: Techniques and Projects by Julia Dunlop (Author), Patricia Schreiber (Author)

Usborne Book of Graphic Design (Practical Guides) by Peach Potter (Author)

Design! - Fun with Graphics by Peter Owen (Author)

Geometrical Design Coloring Book (Colouring Books) by Spyros Horemis

Dazzling Designs Coloring Book by Koichi Sato

Visual Illusions Coloring Book (Design) by Spyros Horemis

Kaleidoscopic Design Coloring Book (Coloring Books) by Lester Kubistal

Prismatic Design Coloring Book (Colouring Books) by Peter Von Thenen

Books on Advertising:

Grades 5-8
Made You Look: How Advertising Works and Why You Should Know (Paperback) by Shari Graydon (Author), Warren Clark

Books on Art:
I Spy Shapes in Art by Lucy Micklethwait

Discovering Great Artists: Hands-On Art for Children in the Styles of the Great Masters (Bright Ideas for Learning) by MaryAnn F. Kohl

The Art Book by Editors of Phaidon Press

I Spy: An Alphabet in Art by Lucy Micklethwait

Teaching Art With Books Kids Love: Teaching Art Appreciation, Elements of Art, and Principles of Design With Award-Winning Children's Books by Darcie Clark Frohardt

The Little Hands Art Book/Exploring Arts & Crafts With 2-To 6-Year-Olds (Williamson Little Hands Series) by Judy Press and Loretta Trezzo Braren


The Art Lesson (Paperstar Book) by Tomie dePaola

Child's Book of Art by Lucy Micklethwait

The Usborne Book of Art Skills by Fiona Watt

Scribble Art: Independent Creative Art Experiences for Children (Kohl, Maryann F. Bright Ideas for Learning.) by MaryAnn F. Kohl and Judy McCoy

The Big Messy Art Book: But Easy to Clean Up by MaryAnn F. Kohl

Arts & Crafts Busy Book : 365 Activities by Trish Kuffner and Bruce Lansky

Art for the Very Young: Ages 3-6 by Elizabeth Kelly and Joanne Mcconville

Window Art (Klutz) by Editors of Klutz

The Usborne Book of Art Ideas by Fiona Watt, Non Figg, Amanda Barlow, and Howard Allman

Art Fun (Art and Activities for Kids) by Kim Solga, Kathy Savage-Hubbard, Rose C. Speicher, and North Light Books

Complete Book of Art Ideas by Fiona Watt and Antonia Miller

Drawing Lessons from a Bear by David McPhail

The Berenstain Bears Draw-It! Drawing Lessons from Stan and Jan (Bears Big Chapter Books(TM)) (Hardcover) by Stan Berenstain
Field Trip & Guest Speaker Ideas

- Invite the following people to visit on a career day:
  - Dentist
  - Orchestra Conductor
  - Dental Hygienist
  - Dental Student
  - Dental Professor
  - Carpenter
  - Scientist, Physicist, Geologist, etc.
  - Photographer
  - Community Business Owners
  - Pilot

- Take a field trip to an airport, photography studio, dentist’s office, or small business

Cool Websites:
- www.dentistry.com/kids.asp
- www.kidscarpentry.net/home.html
- www.ars.usda.gov/is/kids/scientists/scientistsframe2.htm
- www.first-school.ws/activities/bio/earhart.htm
- http://www.teachingkidsbusiness.com/
- TheKidsGuideToBusiness.htm

Career Town Activity: Matching Level II
Description: Match objects to occupations.

Career Clusters
- Architecture and Construction
- Arts, A/V Technology & Communications
- Business, Management, & Administration
- Health Science
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

Occupation Focus:
- Dentist, Dental Hygienist, Scientist, Physicist, Photographer, Business Executive, Pilot, Orchestra Conductor, Carpenter

Activity Expansion:
- Have students research at least one of the careers included in this activity for information such as description, duties, education needed, salary, job outlook, special requirements. Present the findings in a paper, oral report, poster, or advertisement.
- Have students create a classified ad advertising the career they researched with specific information on average starting salary, work hours, working conditions, education and experience required, etc. Create a class Classified section.
- Have a photography contest.
- Have a photography workshop.
- Have students create a program about dental health and people that work in the dental health field to present to younger students. Use props and more.

Virginia Standards of Learning
- Computer Technology: C/T K-2.1, C/T K-2.2, C/T 3-5.3, C/T 3-5.4, C/T K-2.5, C/T 3-5.6, C/T K-2.6, C/T 3-5.7
- English:
  - Reading: 1.5b, 1.7a, 2.4c
- History & Social Sciences:
  - Geography K.6

School Counseling Standards:
- Academic Development: EA5, EA7
- Career Development: EC1, EC2, EC3, EC5, EC10
- Personal/ Social Development: EP3
Books about Photography:

- Photography (9th Edition) by Barbara London, Jim Stone, and John Upton
- Picture This: Fun Photography and Crafts (Kids Can Do It) by Debra Friedman
- Photography (DK Eyewitness Books) by DK Publishing
- Photography (Make it Work! Science) by Andrew Haslam, Jon Barnes, and Kathryn Senior
- The Kids’ Guide to Digital Photography: How to Shoot, Save, Play with & Print Your Digital Photos by Jenni Bidner
- Photography Guide For Kids by Neil L. Johnson

Books about Business:

- Kid Biz: Year Round Money-Making Projects for Young Entrepreneurs by Bonnie Drew and Noel Drew
- African American Entrepreneurs (Black Stars) by Jim Haskins
- Latino Entrepreneurs (Latinos at Work) by Susan Zannos
- Great Careers for People Who Want to Be Entrepreneurs (Career Connections, Series 2: Communications, the Arts, and Entrepreneurship) by Jim Lang
- Girls and Young Women Entrepreneurs: True Stories
- About Starting and Running a Business Plus How You Can Do It Yourself by Frances A. Karnes, Suzanne M. Bean, and Elizabeth Verdieck

Books about Dentistry:

- What to Expect When You Go to the Dentist (What to Expect Kids) by Heidi Murkoff and Laura Rader
- Going to the Dentist (First Experiences) by Anne Civardi, Michelle Bates, and Stephen Cartwright
- Joey Goes to the Dentist by Candace Vittorini and Sara Boyer-quick
- The Berenstain Bears Visit the Dentist (First Time Books) by Stan Berenstain and Jan Berenstain
- Just Going to the Dentist (Look-Look) by Mercer Mayer
- Open Wide: Tooth School Inside by Laurie Keller
- Opportunities in Dental Care Careers, Revised Edition (Opportunities in) by Bonnie Kendall
- Dental Hygienists (Community Helpers) by Fran Hodgkins

Books about Auto Mechanics:

- Auto Mechanics (Community Helpers) by Tracey Boraas
- Auto Mechanics (Neighborhood Helpers) by Cecilia Minden and Mary Minden-zins
- Auto Mechanics (Work People Do) by Betsy Imer shein
- I Can Be an Auto Mechanic (I Can Be Books) by Ray Broekel
- Here is your career, auto mechanic (Here is your career) by C. William Harrison
- Auto Mechanic (High Interest Books) by Aileen Weintraub
- A Day with a Mechanic (Hard Work) by Joanne Winne

Books about Music:

- Story of the Orchestra: Listen While You Learn About the Instruments, the Music and the Composers Who Wrote the Music! by Robert Levine, Meredith Hamilton, and Robert T. Levine
- The Young Person’s Guide to the Orchestra (Book & CD) by Anita Ganeri, Benjamin Britten, and Ben Kingsley
- Meet the Orchestra by Ann Hayes and Karmen Thompson
- The Story of the Incredible Orchestra: An Introduction to Musical Instruments and the Symphony Orchestra by Bruce Koscielniak

Books about Airplane Pilots:

- A Week in the Life of an Airline Pilot (A Day in the Life) by William Jaspersohn
- What’s It Like to Be an Airline Pilot (Young Careers) by Judith Bauer Stamper and Ann W. Iosa
- Airline Pilots (Easy Reading Information Series) by O. B. Gregory and Paul Wrigley
- Airline Pilot (Virtual Apprentice) by Don Rauf and Monique Vescia
- Flying Free: America’s First Black Aviators by Philip S. Hart
**Books about Women Scientists:**

- Nobel Prize Women in Science: Their Lives, Struggles and Momentous Discoveries by Sharon Bertsch McGrayne

- Women Invent!: Two Centuries of Discoveries That Have Shaped Our World by Susan Casey

- Girls Think of Everything: Stories of Ingenious Inventions by Women by Catherine Thimmesh

- The Sky's The Limit: Stories of Discovery by Women and Girls by Catherine Thimmesh

- World History Biographies: Marie Curie: The Woman Who Changed the Course of Science (NG World History Biographies) by Philip Steele

- Rosalind Franklin: The Dark Lady of DNA by Brenda Maddox

**Books about Scientists:**

- The Tarantula Scientist (Scientists in the Field Series) by Sy Montgomery

- The Bug Scientists (Scientists in the Field Series) by Donna M. Jackson

- Digging for Bird Dinosaurs: An Expedition to Madagascar (Scientists in the Field Series) by Nic Bishop

- The Woods Scientist (Scientists in the Field) by Stephen R. Swinburne

- The Snake Scientist (Scientists in the Field Series) by Sy Montgomery

**Books about Carpentry:**

- Easy Carpentry Projects for Children by Jerome E. Leavitt

- Carpentry for Children by Lester R. Walker and David Macaulay

- Carpentry for Kids by D. J. Herda

- A Day with a Carpenter (Hard Work) by Joanne Winne

- CLEVER CARPENTER (Just Right for 4's and 5's) by Robert W. Alley

- Jack the Carpenter and His Friends by Nick Butterworth

- Day in the Life of a Carpenter by Liza N. Burby and Diana Star Helmer

- Building a House (Mulberry Books) by Byron Barton

- Building a House by Hannah Jacobs and Chris Fairclough

- Dream House, The by Pirkko Vainio

- Building a House (Let's read together) by Catherine Storr

- Building World Landmarks - The White House (Building World Landmarks) by Joanne Mattern

- Housebuilding for Children: Step-by-Step Plans for Houses Children Can Build Themselves by Lester R. Walker and Nonny Hogrogian

- Building (Make it Work! Science) by Andrew Haslam

- Round Buildings, Square Buildings, and Buildings that Wiggle Like a Fish (A Borzoi Book) by Phillip M. Isaacson
Use this planning form to organize your career town activities.

Educator’s Name:____________________________________

Class: ________________________________________________

1. Activity Goals:

2. Total Time for Activity: ____________________________

3. Career Town Activity Name(s):

4. Computer Lab needed?  Yes    No
   Room number_______________
   Reserved for Date:__________ Time:_______________
   Approved by:________________________
   Date approved: ____________

5. Notes:

Career Town Activity Follow up Plans:

Goal(s):

Additional Hands on Activities:

Supplies needed:

____________________ _________________
____________________ _________________
____________________ _________________
____________________ _________________

Guest Speakers: Yes   No
   Name
   Contact # or email address:

Field Trip Plans:  Yes   No
   Date: __________________
   Time:_______________
   Place: ___________________________________

Permission Slips completed:_____________________

Amount Due :________________

Date of Money Due: _____________

Transportation Plans:

Virginia Career VIEW
Virginia Tech
404 Wallace Hall
Blacksburg, VA 24061
Ph: 540-231-7571 Fax: 540-231-4979 info@vaview.org
www.vacareerview.org
### Academic Development:
Students will acquire the academic preparation essential to choose from a variety of educational, training, and employment options upon completion of secondary school.

### Career Development:
Students will investigate the world of work in order to make informed career decisions.

### Personal/Social Development:
Students will acquire an understanding of, and respect for, self and others, and the skills to be responsible citizens.

<table>
<thead>
<tr>
<th>Activity</th>
<th>VIEW’s Clues</th>
<th>Operation Excavation</th>
<th>Science Lab</th>
<th>Dinosaur Room</th>
<th>Ads on the Go</th>
<th>Matching</th>
<th>Train Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EA3, EA5, EA7, EA9</td>
<td>EC1, EC2, EC5, EC8</td>
<td>EA2, EA5, EA7</td>
<td>EA2, EA4, EA5, EA7, EA9</td>
<td>EA5, EA7</td>
<td>EC1, EC3, EC5, EC10</td>
<td>EA2, EA4, EA5, EA7</td>
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</table>

### Mathematics

<table>
<thead>
<tr>
<th>Activity</th>
<th>Number and Number Sense</th>
<th>Measurement</th>
<th>Patterns, Functions, and Algebra</th>
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</thead>
<tbody>
<tr>
<td>Operation Excavation</td>
<td>2.4, 3.5, 3.6</td>
<td>K.17, 1.20, 3.24</td>
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<tr>
<td>Train Time</td>
<td></td>
<td>K.8, K.9, 1.11, 2.16, 3.15, 3.16, 5.12</td>
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### English

<table>
<thead>
<tr>
<th>Activity</th>
<th>Oral Language</th>
<th>Reading</th>
<th>Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIEW’s Clues</td>
<td>1.5, 1.6ef, 1.7a, 2.4, 3.3, 4.3a</td>
<td>1.5, 2.4, 3.3</td>
<td>K11, K12, 1.12, 2.11, 3.9, 3.10, 4.7, 5.8</td>
</tr>
<tr>
<td>Operation Excavation</td>
<td>1.1a, 1.2b, 2.2c,</td>
<td>2.4, 2.5, 2.6, 2.8ced, 3.3, 3.6bed, 4.3, 4.5deg, 5.4</td>
<td>K11, K12, 1.12, 2.11, 3.9, 4.7abceg, 5.8</td>
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<tr>
<td>Science Lab</td>
<td></td>
<td>1.5, 1.6, 2.4, 2.9b, 3.3, 3.4d, 3.7,</td>
<td>K11, K12, 1.12, 2.11, 3.9, 4.7abceg, 5.8</td>
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<tr>
<td>Dinosaur Room</td>
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<tr>
<td>Ads on the Go</td>
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<td>1.7a</td>
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<tr>
<td>Cargo Mix-up</td>
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<td>1.9, 2.8</td>
<td>1.12, 2.11</td>
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<td>Book Look</td>
<td>1.1</td>
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<tr>
<td>Underwater Expedition</td>
<td>K.1a, 1.1a</td>
<td>K.5, K.6, K.8a</td>
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</table>
### Science

<table>
<thead>
<tr>
<th>Science</th>
<th>Scientific Investigation, Reasoning, &amp; Logic</th>
<th>Force, Motion, &amp; Energy</th>
<th>Matter</th>
<th>Life Processes</th>
<th>Interrelationships in Earth/Space Systems</th>
<th>Earth Patterns, Cycles &amp; Change</th>
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</thead>
<tbody>
<tr>
<td>Operation Excavation</td>
<td>K.4a,b,e</td>
<td></td>
<td></td>
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<tr>
<td>Science Lab</td>
<td>5.4</td>
<td></td>
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<td>4.6, 5.6</td>
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<td>4.7, 5.7</td>
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<tr>
<td>Dinosaur Room</td>
<td>K.1a,b, 1.c, 2.1h</td>
<td>K.4d,e, 3.3c</td>
<td>1.5b</td>
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<tr>
<td>Ads on the Go</td>
<td>K.2a,b</td>
<td>K.4a,b,d,e, 3.3a,c</td>
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### History & Social Science

<table>
<thead>
<tr>
<th>History &amp; Social Science</th>
<th>History</th>
<th>Geography</th>
<th>Economics</th>
<th>Civics</th>
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<tbody>
<tr>
<td>VIEW’s Clues</td>
<td>K.6</td>
<td></td>
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<tr>
<td>Operation Excavation</td>
<td>2.1</td>
<td>K.5, 1.4a, 2.6, 3.6</td>
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</tr>
<tr>
<td>Science Lab</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Matching</td>
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### Computer & Technology

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<thead>
<tr>
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<tbody>
<tr>
<td>VIEW’s Clues</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
</tr>
<tr>
<td>Operation Excavation</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
</tr>
<tr>
<td>Science Lab</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
</tr>
<tr>
<td>Dinosaur Room</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
</tr>
<tr>
<td>Ads on the Go</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
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<tr>
<td>Matching</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
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<tr>
<td>Train Time</td>
<td>C/T K-2.1, C/T K-2.2</td>
<td>C/T 3-5.3, C/T 3-5.4</td>
<td>C/T K-2.5, C/T 3-5.6</td>
<td>C/T K-2.6, C/T 3-5.7</td>
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### Virginia Career Clusters Related to Level 2

#### Career Town Activities

<table>
<thead>
<tr>
<th>VA Career Clusters</th>
<th>Career Town Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture, Food, &amp; Natural Resources</td>
<td>Science Lab, VIEW’s Clues</td>
</tr>
<tr>
<td>Architecture and Construction</td>
<td>Matching, VIEW’s Clues</td>
</tr>
<tr>
<td>Arts, A/V Technology &amp; Communications</td>
<td>Ads on the Go, Matching, VIEW’s Clues</td>
</tr>
<tr>
<td>Business, Management, &amp; Administration</td>
<td>Ads on the Go, Matching, VIEW’s Clues, Train Time</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>Operation Excavation, Dinosaur Room</td>
</tr>
<tr>
<td>Finance</td>
<td></td>
</tr>
<tr>
<td>Government &amp; Public Administration</td>
<td></td>
</tr>
<tr>
<td>Health Science</td>
<td>Science Lab, Matching, Nutrition Matters</td>
</tr>
<tr>
<td>Hospitality &amp; Tourism</td>
<td>Train Time</td>
</tr>
<tr>
<td>Human Services</td>
<td>VIEW’s Clues</td>
</tr>
<tr>
<td>Information Technology</td>
<td>Science Lab, Ads on the Go</td>
</tr>
<tr>
<td>Law, Public Safety, Corrections and Security</td>
<td></td>
</tr>
<tr>
<td>Manufacturing</td>
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</tr>
<tr>
<td>Marketing, Sales, &amp; Service</td>
<td>Ads on the Go, VIEW’s Clues</td>
</tr>
<tr>
<td>Science, Technology, Engineering &amp; Mathematics</td>
<td>Science Lab, Dinosaur Room, Matching, VIEW’s Clues</td>
</tr>
<tr>
<td>Transportation, Distribution &amp; Logistics</td>
<td>Train Time, Matching, VIEW’s Clues</td>
</tr>
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3
## School Counseling: Career Town Matrix

<table>
<thead>
<tr>
<th>Level 1</th>
<th>EA1</th>
<th>EA2</th>
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