

On Track

YOUR CAREER DISCOVERY GUIDE

2016-2017 Edition Corresponding Lesson Plans

October 2016

Dear Educator:

This year's teacher guide is full of **new ideas** and **supplemental materials**. The lesson plans in this PDF can be used in almost any classroom or curriculum area. The material is designed to be flexible to fit the needs and time criteria unique to your classroom, regardless of whether you teach one major subject, a cluster of subjects or supervise an after-school program.

The first thing you'll notice on the next page is a **table of contents**, which makes searching for lessons the simplest it's ever been. The format is tailored to busy teachers who want the most important information at the top. Look for features like **vocabulary exercises**, **sample rubrics** and a **suggested length**.

Each lesson is paired with higher order thinking **skills**, as well as everything you need to teach the lesson (**materials**, **suggested length**, **subjects**, **supplemental worksheets**, **graphic organizers** and **reading comprehension quizzes**). The nuts-and-bolts of the lesson are bulleted and easy to read.

The lessons work great for a condensed unit or even spread out over the year as ***On Track Tuesday!***

As the teacher, do what you do best — tailor the lessons to fit your students. You can overlap, delete, edit, improvise or follow the directions as they are written.

We hope we have provided enough material to give you a firm foundation and enough “wiggle-room” to customize the lessons in a way that will reach your students.

Sincerely,
The staff at *On Track*

P.S. You may want to have students write their names on their individual copies of the magazines. Then, collect after each section. At the end of the unit, send the magazines home in a large envelope with the letter on page three for their parents to read, too.

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Official school Letterhead

Date

Re: Career Discovery

Dear Parent,

Your student has completed a career discovery unit to help determine his or her career interests and pathways. **On Track** was part of the unit. Read through it – you will find it very helpful as you talk with your child about his or her future.

Career discovery is important in directing your child's choice of courses in the years ahead. As he or she looks forward to high school, **now** is the time to continue the conversation at home about his or her future educational and career goals. Here are a few questions to discuss to get started:

1. What kind of personality did the Personality Style Quiz say you have? Do you agree with it?
2. What careers interested you? Do you know anyone in that profession? Would you like to talk to this person about his/her career to get "insider" thoughts on the career?
3. What courses should you take in high school to help prepare you for that career field?

We hope these questions will help stimulate your conversation with your child. Please email or call the following people to get more information about career pathways and opportunities in high school. We are here to help your student achieve their dreams of a successful future!

Guidance Counselor

Career Pathway/ CTE Contact

I. A Natural Sense of Curiosity

Pages 2-3

COOPERATIVE GROUP ACTIVITY: Asking questions about science

Choose one of the videos below. Each video answers one of these questions: how to geckos defy gravity, why humans cry and what would happen if a person didn't sleep.

1. Before you watch, answer the question for yourself, based on what you already know.
2. Watch the video. Look in your science book to find other helpful information related to geckos and gravity to explain what's happening. If you have access to technology, you may also look online for additional articles to support what you're learning.
3. What questions were answered? What did you not know that surprised you? What did you understand in a new way?
4. Report out with a small group.

A worksheet is provided for groups to accumulate their findings.

How do Geckos defy gravity? <https://www.youtube.com/watch?v=YeSuQm7KfaE>

Why do we cry? <https://www.youtube.com/watch?v=keMF8YzQoRM>

What would happen if you didn't sleep?

<https://www.youtube.com/watch?v=dqONk48I5vY>

Subjects: Science

Skills: Research, Scientific process

Suggested length of lesson: One class period.

To simplify this assignment, you could also do it using post-it notes.

Name _____

**A Natural Sense of Curiosity
Asking Questions about Science**

Name of Video	Initial Thoughts	Perspectives	Revised thinking	Report out

Name of Video	Initial Thoughts	Perspectives	Revised thinking	Report out

INDIVIDUAL/PARTNER ACTIVITY: Marketing job shadow

- One of the jobs mentioned in the article is Marketing Manager. Help students make connections in marketing fields so they can interview/shadow someone in marketing. Brainstorm local companies with marketing departments.
- Either have each student interview a different person in the marketing field or pair students as partners to interview the same person together.
- Questions for the interview are provided in a worksheet.
- Students can interview the employee over email or in person.

Subjects: Business Applications, Language Arts

Skills: Inventing, Making decisions, Brainstorming, Relationship building.

Suggested length of lesson: One day for the job shadowing, with some preparation time.

INDIVIDUAL RESEARCH ACTIVITY: Today's Headlines

- Choose either www.mashable.com or www.vox.com.
- Go to the home page and look for five articles related to national politics or international news.
- For each article, read it and summarize it. Complete the chart provided.

Headline	National or International?	One-sentence summary	Question for further research

Or Choose a topic related to any subject area.

Subjects: Social Studies, Language Arts, Any

Skills: Research, Summarizing

Suggested length of lesson: One class period.

COOPERATIVE GROUP ACTIVITY: What do you know?

- If you're curious, you ask questions.
- Choose one of the fun facts from the article and research its origin. How did these interesting facts come to be?
 - *Did You Know . . .* "Yahoo" is an acronym for "Yet Another Hierarchical Officious Oracle."
 - *Did You Know . . .* The red and white Coca-Cola logo is recognized by 94 percent of the world's population.
 - *Did You Know . . .* Cereal is the second-largest advertiser on television, behind automobiles.
 - *Did You Know . . .* The most productive day of the workweek is Tuesday.

What do you know about the fact already?	What would you like to know?	What did your research uncover?

Subjects: Business Applications, Any

Skills: Research, Analyzing

Suggested length of lesson: One class period.

Name _____

**A Natural Sense of Curiosity
Job Shadow/Interview Worksheet**

What is your name?	
What is your job?	
What attracted you to this job?	
What is the best part of your job?	
What is the worst part of your job?	
What training do you have that makes you qualified for this job?	
What is one thing you've learned while working at this job?	
If you are a marketing manager, describe the team you manage.	
If you are not a marketing manager, how do you interact with your marketing manager?	
Write a question of your own:	

After the interview, explain what you learned about the job. Does it increase or decrease your interest in this field?

A Natural Sense of Curiosity Vocabulary Worksheet

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

Then, take each word and create a box like the one below.

1. industrial
2. information
3. median
4. human resources
5. informatics
6. physiologist
7. launch
8. hierarchical
9. officious
10. oracle

DEFINITION	CHARACTERISTICS
EXAMPLES	NON-EXAMPLES

Tools for Reading Comprehension

Visualizing	The reader is making a picture or image (movie in his or her mind) as he or she reads. That is why the book is often seen as better than the movie because our imaginations are unlimited and we can make great productions in our mind.
Looking for what's important	The reader prioritizes what's important. Underline these things.
Calling on prior experiences	The reader connects what he or she is reading with personal experiences. "I remember when I went to the beach." "I know what it means to taste the salt on my lips and feel the sea breeze."
Predicting	The reader predicts what will happen next in the story. "I bet that character is evil because the dog doesn't like him."
Questioning	The reader asks questions about what he or she is reading. "I wonder what this word means." "I wonder why that character did this."
Synthesizing	The reader puts ideas together as he or she reads. "Ah ha! Now I get it."

Name: _____

A Natural Sense of Curiosity **Reading Comprehension Quiz (KEY)**

1. Curiosity is a _____.
A. Curse.
B. Friend.
C. Gift.
2. Which of the following is **NOT** an example of something curious people are good at?
A. Ignoring interesting details.
B. Researching facts and ideas.
C. Understanding the world around them.
3. Which organization provides information on employment growth?
A. COOs
B. Bureau of Labor Statistics
C. Yahoo
4. Which kind of job must juggle the planning and directing of an organization's administrative functions?
A. Human resources manager
B. Engineering designer
C. Sportscaster
5. Which product is the second-largest advertiser on television?
A. automobiles
B. soft drinks
C. cereal
6. "Subjects like English, history, modern languages, philosophy, religion, writing, etc. – are perfect for those who have a heightened sense of _____."
A. security.
B. curiosity.
C. friendliness.
7. Event planners plan _____.
A. Anniversaries.
B. Large social events.
C. All of the above.
8. Which phrase describes a technical writer?
A. Someone who reviews press releases.
B. Someone who helps patients understand their problems.
C. Someone who creates instruction manuals.
9. What percentage of the world recognizes the Coca-Cola logo?
A. 50 %
B. 94 %
C. 10 %
10. What does a curator do?
A. Writes documents to help people understand technical information.
B. Plans celebrations.
C. Manages museum collections.

Name: _____

A Natural Sense of Curiosity Reading Comprehension Quiz

1. Curiosity is a _____.
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II. Are You a Techno-wizard?

Pages 4-5

COOPERATIVE GROUP ACTIVITY: Websites with purpose

- Show some examples of websites that communicate their message effectively. Analyze a few sites. Discuss what makes them effective.
 - Clear message.
 - Clean design that supports the message.
 - Easy to navigate.
 - Questions are easily answered or you can find a place to ask your questions easily.
- Discuss different purposes
 - Sales (Corporate)
 - Raising awareness (Nonprofit)
 - Connection/Networking
- Using the worksheet provided on the next page, students should analyze a website with their group and make recommendations for how to improve it.
*You may want to provide a list of appropriate sites related to your subject area.

Going Beyond: After completing the cooperative group assignment, consider starting a blog for keeping up with homework as a class. Each group can take turns maintaining it for a week with the same groups as above, or alternating roles.

Subjects: Business/Marketing, Technology, Language Arts

Skills: Prediction, Analysis, Strategy, Summarizing

Suggested length of lesson: One class period.

Names: _____

Websites with Purpose

Cooperative Group Worksheet (one per group)

Each group member should have a role. Divide your group into the following roles.

1. **Message Manager** — As a group, help the Message Manager identify the message. Then, the Message Manager focuses on looking at different pages of the website to analyze if it stays true to its message.
2. **Design Dictator** — As a group, help the Design Dictator describe the design of the site. Then, the Design Dictator analyzes different pages on the website based on how the design supports the message.
3. **Navigation Guru** — As a group, help the Navigation Guru identify any navigation issues. Then, the Navigation Guru makes recommendations on how to redesign the site to fix the issues.
4. **Query Conquistador** — As a group, help the Query Conquistador brainstorm possible questions related to the message. Then, the Query Conquistador searches the website to find answers to the questions.

Write the website address here: _____.

Analyze the website by answering the questions in the chart below. Complete the chart TOGETHER, but each person should make notes on scratch paper.

GROUP TASKS			
1. Identify the message.			
2. Describe the design. Start with descriptive words like colors and shapes.			
3. List navigation problems.			
4. Brainstorm questions.			

Take the notes from the chart on the previous page and apply them to your role independently. Then, independently analyze the website based on your role. Together, compile them below.

FINDINGS/RECOMMENDATIONS	
Message Manager	
Design Dictator	
Navigation Guru	
Query Conquistador	

<p style="text-align: center;">SUMMARY OF GROUP ANALYSIS: (AT LEAST ONE ACTION POINT WRITTEN IN A COMPLETE SENTENCE)</p>

Turn in one sheet per group to your teacher.

INDIVIDUAL OR GROUP ACTIVITY: Computer jobs

- Find a two-year school in your area and research what computer-related majors you could study there.
- List the majors.
- Choose one that interests you and find out how many years of education would be necessary, what the expected income would be and what the job market is like in your area.
- Interview someone in the field if possible.

Two-year school	
Computer-related majors	
Years of education necessary	
Expected income range	
Job market in your area	

Subjects: Computer Applications, Any

Materials: Internet access.

Skills: Research, Analysis.

Suggested length of lesson: One-two class periods.

RUBRIC	POINTS EARNED	POINTS POSSIBLE
Computer-related job		5
Education		10
Income		15
Job market projection		15
Interview		Extra!
TOTAL POINTS		45

GROUP ACTIVITY: Design a robot

- Watch the PBS video on a team of students who design, build and program a robot out of Legos for a robotics competition.
http://www.pbslearningmedia.org/asset/eng06_vid_legorobot/
- Discuss some possibilities for tasks robots could do. For example, household chores like washing the dishes or school chores like cleaning out your desk/locker. Design a robot for a need your school or home has.
- Students should use oversized poster paper to sketch their designs and label them as needed to indicate functionality, materials, interactivity and so on.

Subjects: Marketing, Math, Economics, Science

Skills: Critical thinking, researching, creativity

Materials: Oversized poster paper, markers, construction paper

Suggested length of the lesson: Two class periods

Going Beyond:

1. For ideas on ways to expand this lesson, check out the *New York Times Learning Blog*: <http://learning.blogs.nytimes.com/2010/11/03/welcome-to-the-machines-designing-useful-robots/?r=0>
2. For an interactive lesson for a partial period, allow students to program a virtual rover to guide around obstacles.
<http://www.nasa.gov/audience/foreducators/robotics/home/ROVER.html#.V5ZhV2X59Ec>

Rubric

Robot's function is clear.		10
Design is easy to understand visually.		10
Group dynamics		10
TOTAL		30

INDIVIDUAL ACTIVITY: Scavenger Hunt

- The article mentions Modis, the IT staffing giant. Do a scavenger hunt of the www.modis.com site.

	Quote from the site
What does Modis do?	
What is an IT staffing company? Hint: You can Google this to get started.	
What are their projections for the future?	
What jobs are popular?	
What kinds of clients do they serve?	
What are the benefits of working for their company?	

Subjects: Science, Language Arts, Media Studies

Skills: Research, Citation

Are You a Techno-wizard?
Vocabulary Worksheet (KEY)

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

Then, take each word and match it with the definition on the right. Draw a line connecting the word with the definition.

1. early adopter	A. a person who starts using a product or technology as soon as it becomes available.
2. staffing	B. training individuals for specific job functions.
3. savvy	C. practical knowledge.
4. hazardous waste	D. poses threats to public health or the environment.
5. cyber-thief	E. individuals who steal from others using a computer.
6. nanoscale	F. of a very small size.
7. CAD	G. Computer-aided design
8. ERP	H. Enterprise resource planning
9. analytical	I. relating to logical reasoning.
10. macromolecular	J. of a very large size

**Are You a Techno-wizard?
Vocabulary Worksheet**

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

Then, take each word and match it with the definition on the right. Draw a line connecting the word with the definition.

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8. ERP	H. Enterprise resource planning
9. analytical	I. poses threats to public health or the environment.
10. macromolecular	J. training individuals for specific job functions.

Name: _____

Are You a Techno-wizard?

Reading Comprehension Quiz (KEY)

1. What is the name of the IT staffing giant?
 - A. Mashable.com.
 - B. Modis.**
 - C. Institute of Electrical and Electronics Engineers.
2. What is the percent of growth expected in tech employment by 2022?
 - A. 18 %**
 - B. .5 %
 - C. 100%
3. The tech sector with the greatest job growth will be
 - A. Healthcare
 - B. Programming and software engineering
 - C. All of the above.**
4. What kinds of robots are engineers designing now?
 - A. Ones that can handle tasks too dangerous for humans.**
 - B. Ones that check Mashable.com every morning.
 - C. Ones that adopt early.
5. What does someone who works in database administration do?
 - A. Uses spinal manipulation to treat health problems related to the Musculoskeletal system.
 - B. Observes and maps the universe.
 - C. Develops and oversees platforms and systems.**
6. For a career in robotics, what subject do you need to be strong in?
 - A. Math.
 - B. Mechanical science.
 - C. All of the above.**
7. What does a computer and information research scientist do?
 - A. Use spinal manipulation to treat health problems related to the Musculoskeletal system.
 - B. Studies and solves computing problems for fields like medicine science, and business.**
 - C. Observes and maps the universe.
8. What did Matt Fiedler create?
 - A. National Library of Medicine.
 - B. ERP.
 - C. Gigabot 3-D printer.**
9. What does a computer forensic investigator do?
 - A. Studies insects.
 - B. Studies life beyond the earth's atmosphere.
 - C. Recovers and analyzes computer data used in a criminal case.**
10. What is an unmanned vehicle operations specialist?
 - A. Pharmaceutical Scientist
 - B. Military personnel who use computers to guide remote controlled machines.**
 - C. Doctor.

Name: _____

**Are You a Techno-wizard?
Reading Comprehension Quiz**

1. What is the name of the IT staffing giant?
 - A. Mashable.com.
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 - C. Institute of Electrical and Electronics Engineers.
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 - A. Pharmaceutical Scientist
 - B. Military personnel who use computers to guide remote controlled machines.
 - C. Doctor.

III. 8 Top Secrets for Good Grades

Pages 6-8

INDIVIDUAL ACTIVITY: Compare/contrast Apps

- Brainstorm together what makes a good study skills app for a 5th to 9th grade student. Students may suggest humor, colors, interests.
- Using this website, compare and contrast at least five apps to determine which one is the best for 5th to 9th grade students.
<http://www.bestappsforkids.com/category/apps-by-age-grade/middle-school/>

Name of app	Strengths	Weaknesses	Rank (out of 5)
1.			
2.			
3.			
4.			
5.			

Subjects: Study Skills, Any

Skills: Compare and contrast, analysis.

Suggested length of lesson: one to two class periods.

CLASS ACTIVITY: Stress and student learning

- Using this website, discuss the impact of stress on students' abilities' to learn.
<http://www.washington.edu/howdoilearn/stress/>
- As you lead students through the interactive site, have students complete the chart below.

How does stress affect my ability to learn?	
Does stress keep me from learning?	
How does stress affect the classroom?	
What can we do about it?	

Subjects: Study Skills, Any.

Skills: Summarizing, determining cause and effect, Analysis.

Suggested length of lesson: One class period.

Name: _____

8 Top Secrets for Good Grades
Interview a student
Cause/Effect Chart

Interview a student about his study habits. Take examples from your interview and fill in the chart. What are the actions (CAUSES) that caused the successful results (EFFECT)? The first one has been completed as a sample.

CAUSE	EFFECT
1. Student goes to bed early.	1. Student wakes up refreshed and focused for the next day.

Name: _____

8 Top Secrets for Good Grades
Worksheet: Healthy Choices

Circle the healthier choices.

Sitting on the couch playing video games for hours.	Eating an apple with some peanut butter.	Eating fruit snacks with a brownie.
Talking about conflicts with a trusted adult.	Hitting the snooze button three times in the morning before getting up.	Doing push-ups or sit-ups for 10 minutes after school.
Walking ½ mile.	Praying or talking with a spiritual advisor.	Feeling discouraged and not telling anyone.
Staying awake all night worried about something that might happen.	Eating whatever you can find in the kitchen when you're feeling sad.	Skipping breakfast.
Asking a peer tutor for help in a class that is hard for you.	Snacking on carrots.	Listening to music that encourages you.

For the choices that are not circled, make a list of additional alternatives with a partner.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

8 Top Secrets for Good Grades

Vocabulary Worksheet (KEY)

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

Then, take each word and match it with an **ANTONYM**. Draw a line to connect the two words that have **opposite** meanings.

1. prepare	ignore
2. listen	talk
3. immediate	later
4. commit	idle
5. invest	withdraw

After you've matched the words, draw pictures to represent the vocabulary words in the space below and on the back.

8 Top Secrets for Good Grades Vocabulary Worksheet

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

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After you've matched the words, draw pictures to represent the vocabulary words in the space below and on the back.

Name: _____

8 Top Secrets for Good Grades

Reading Comprehension Quiz (KEY)

1. What will paying attention in class get you?
 - A. About \$44,800 per year.
 - B. A brand new car.
 - C. **Better notes and easier tests.**
2. What can you do if your notes don't make sense?
 - A. Drink lots of caffeine.
 - B. **Ask the teacher before class.**
 - C. Stare at your textbook.
3. How will doing your homework help you?
 - A. **Better grades on tests and quizzes.**
 - B. Good friends.
 - C. Better sports scores.
4. How can a study group help you?
 - A. Sometimes it is easier to ask another student the questions you have than to ask the teacher.
 - B. Sometimes it's easier to ask questions in a smaller group rather than the whole class.
 - C. **All of the above.**
5. What does a college education get you?
 - A. More earning potential.
 - B. Personal growth.
 - C. **All of the above.**

Name: _____

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Reading Comprehension Quiz

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IV. Marcus Mariota: A Star on the Rise

Pages 7-10

INDIVIDUAL ACTIVITY: Hall of Fame

- What did these people mentioned in the article accomplish?
 - Steph Curry (basketball)
 - Aaron Rogers (football)
 - Jordan Spieth (golf)
- Complete the chart below.

Athlete			
Age			
Sport			
Accomplishments			
Number of years			
Compare to Mariota			

Together, as a class, compare and contrast the other athletes to Mariota on the white board or a piece of butcher paper.

Going Beyond: Focus on another sport (or music genre) and research its hall of fame.

Subjects: History, Physical education, Health

Materials: large paper, like butcher paper or poster paper.

Skills: Research, Compare and contrast

Suggested length of lesson: one class periods

RUBRIC	POINTS RECEIVED	POINTS POSSIBLE
History (athlete, age, sport, number of years)		10
Accomplishments (at least three)		15
Compare to Mariota		10
TOTAL		35

INDIVIDUAL ACTIVITY: Write an opinion paper

- Write an opinion paper about how your beliefs can affect your actions.
- For example, if you truly believed the quote (“Be the change you want to see in the world.”) — if you truly believed you could change the world with your life, what would that look like?

Subjects: Language Arts, Study Skills, Health, Any

Skills: Predicting, Setting goals, Drawing conclusions

Suggested length of lesson: One class period

Marcus Mariota: A Star on the Rise
Vocabulary Worksheet

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

Then, take each word and create a box like the one below.

1. premature
2. rebuilding
3. striving
4. integrity
5. consumed

DEFINITION	CHARACTERISTICS
EXAMPLES	NON-EXAMPLES

Name: _____

Marcus Mariota: A Star on the Rise
Reading Comprehension Quiz (KEY)

1. This article is about
 - A. Jordan Spieth.
 - B. Aaron Rogers.
 - C. **Marcus Mariota.**
2. Which award has Marcus Mariota NOT received?
 - A. Heisman trophy
 - B. **Academy award for best original screenplay**
 - C. Polynesian College Football Player of the Year
3. Mariota went to high school in
 - A. **Honolulu, Hawaii.**
 - B. Bangalore, India.
 - C. Nashville, Tennessee.
4. Mariota plays
 - A. Basketball for the Cleveland Cavaliers.
 - B. **Football for the Tennessee Titans.**
 - C. Baseball for the Seattle Mariners.
5. "Motiv8" is an organization dedicated to
 - A. **Helping others achieve their goals related to character and education.**
 - B. Natural disaster relief.
 - C. Making lots of money.
6. Mariota went to college at
 - A. Baylor University.
 - B. The Redskins.
 - C. **University of Oregon.**
7. Mariota was the
 - A. Best basketball player in his high school.
 - B. **Second overall pick in the 2015 NFL draft.**
 - C. Builder for Habitat for Humanity homes.
8. Which of these things did Mariota do?
 - A. Became the youngest quarterback ever to achieve a perfect passer rating.
 - B. Became the first quarterback in NFL history to throw four touchdown passes in the first half of his NFL debut.
 - C. **All of the above.**
9. What is Mariota's conviction?
 - A. "Earning as many points as possible in every game."
 - B. **"My family has always valued my education."**
 - C. "Never double dribble."
10. What makes Mariota a person with strong character?
 - A. Working hard even after an MCL sprain.
 - B. Focusing on his education over his athletic abilities.
 - C. **All of the above.**

Name: _____

Marcus Mariota: A Star on the Rise
Reading Comprehension Quiz

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GROUP ACTIVITY: Career Fair

- Brainstorm questions about careers.
- Divide students into groups based on career interests or personalities (see page 11). These groups create questions specifically related to their career area.
- Brainstorm types of professionals you think could answer these questions.
- Have students write letters to local companies asking them to send a representative for a Career Fair. Students can use the list of questions to help them brainstorm their letters.
- As you hear from professionals who are willing to make presentations, assign two to three students to each professional. These students should be responsible for communicating with and orienting the professional to the school, as well as gathering and setting up materials the professional may need.
- Ask professionals to bring a display board and be prepared to give presentations to small groups. Have students walk around the fair asking their questions from the first step.
- Following the fair, have a discussion where students share the answers they have received to their questions from step one.
- Debrief on the experience of putting together the fair.
 - What went well?
 - What could be improved?
 - Was there anything they could have done differently to make the fair run more smoothly or be more organized?

Going Beyond: Get the whole school involved and host the fair in the gym. Or do a smaller version and have one professional come to your class each month throughout the school year.

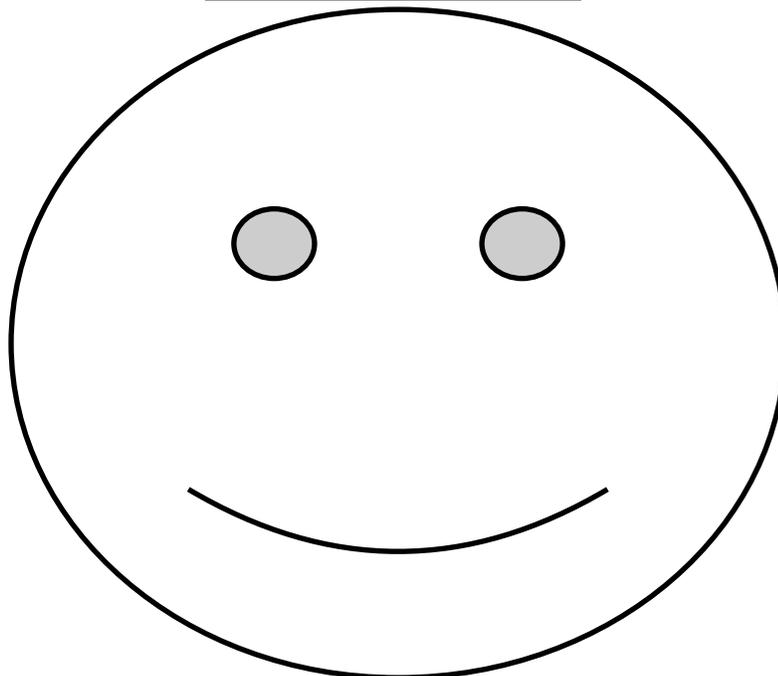
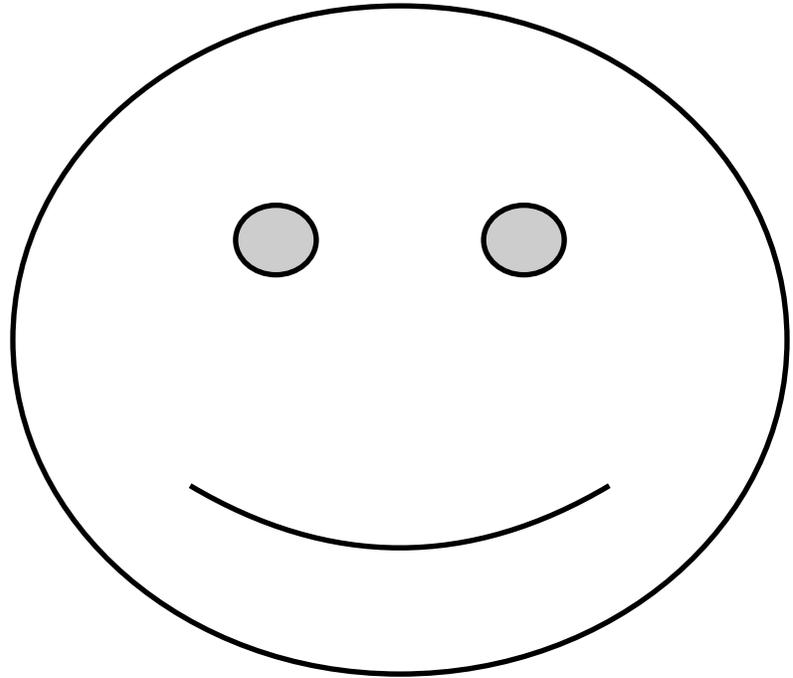
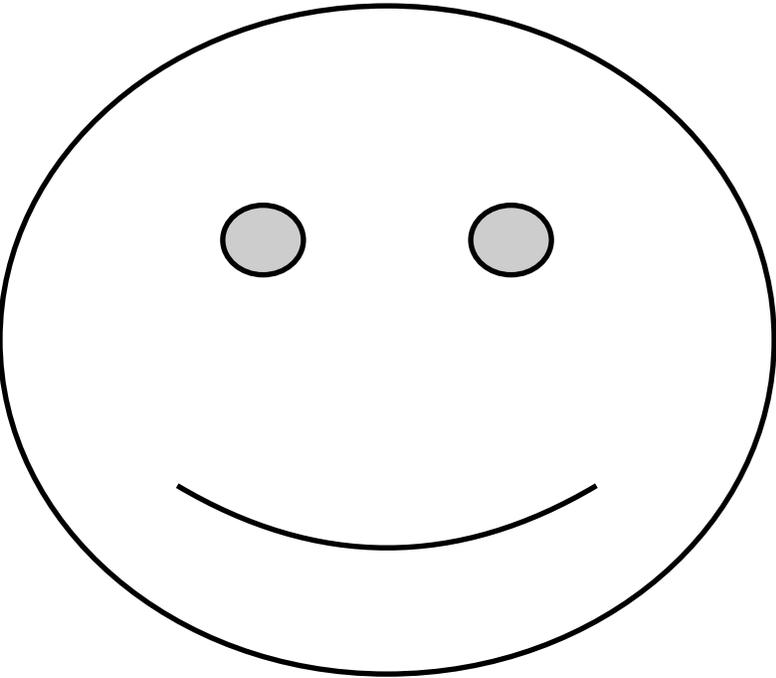
Subjects: Any/All

Skills: Inventing, Making decisions, Brainstorming, Relationship building

Suggested length of lesson: One week.

**Jobs for the 21st Century
Personality Worksheet**

Complete the personality quiz on page 11. Identify your top three personality types. Write one personality type in each box. Brainstorm ways to visually show the personality types. Then, fill in the faces below (or make a collage) to symbolize these personalities. You may use the back of this page if you need additional space.



Jobs for the 21st Century Project Worksheet

Complete the quiz on page 11 in the magazine and read the article on the following pages. Then, choose the activity that most interests you based on your strengths.

1. Create a map. It can be a map of your school or classroom or community. Draw it or design it on the computer with as much detail as possible.
2. Create a healthy menu for a week, based on 1500 calories per day. Also include a physical training program.
3. Redesign your classroom. Think about walkways, seating arrangements, teacher desk, cabinets & supplies, etc.
4. Create a model of a cabinet.
5. Plan an event. Don't forget about refreshments, decorations, invitations and follow-up.
6. Make a video. Think about images to include, people to interview. Edit the final version down to three minutes.
7. Shadow an electrician or a veterinarian. Write a short report about a problem that occurs and how it is resolved.
8. Design and create a website.
9. Using mathematical modeling, figure out how much space is inside a cardboard box.
10. Create a survey to determine the success of a company's product. Or create your own product and survey consumers who use your product. Analyze the data.
11. Shadow an HVAC technician when he or she is installing a system. Write a short report about the process.
12. Create a financial plan for your first year of living on your own.
13. Another activity of your own design, approved by your teacher.

Jobs for the 21st Century
Vocabulary Worksheet (KEY)

The following vocabulary words are occupations. First, guess what the words mean based on any prior knowledge. Write these definitions on your paper. Then, find them in the article. Compare your definitions and correct any as needed.

1. audiologist
2. genetic counselor
3. anesthesiologist
4. petroleum engineer
5. geoscientist
6. substance abuse counselor
7. nurse practitioner
8. dietician
9. orthotist
10. cartographer
11. cardiovascular technologist
12. physical therapist

Then, match the **jobs** with their **personalities** on the left. Write the vocabulary word to the right of the category it fits.

REALISTIC	Audiologist	Cardiovascular technologist
INVESTIGATIVE	Genetic counselor	Geoscientist
ARTISTIC	Orthotist	Dietician
SOCIAL	Physical therapist	Substance abuse counselor
ENTERPRISING	Nurse Practitioner	Petroleum engineer
CONVENTIONAL	Cartographer	Anesthesiologist

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REALISTIC		
INVESTIGATIVE		
ARTISTIC		
SOCIAL		
ENTERPRISING		
CONVENTIONAL		

Name: _____

Jobs for the 21st Century

Reading Comprehension Quiz (KEY)

1. Choose the statement that describes someone with an artistic personality.
A. I excel at creative classes like music and art.
B. I seldom feel comfortable in a large group of people.
C. I'm typically confident and am someone others ask for advice.
2. Choose the list that describes someone with an investigative personality.
A. I excel at leadership and often voice my opinion in class.
B. I seldom tell people what they should or shouldn't do.
C. I'm typically matter-of-fact in how I deal with people.
3. Which one is NOT one of the SIX main personalities?
A. Enterprising.
B. Conventional.
C. Dominant.
4. If you're interested in a career in Arts & Communication, you should research which career?
A. Speech and Language Pathologist.
B. Orthodontist.
C. Civil Engineer.
5. If you're interested in a career in Business, Management & Technology, which career should you AVOID?
A. Marketing Director
B. Cost Estimator
C. Elementary Art Teacher
6. If you're interested in a career in Health Services, you should research which career?
A. Cardiovascular technologist.
B. Geoscientist.
C. Cabinetmaker.
7. If you're interested in a career in Human Services, which career should you AVOID?
A. Paramedics.
B. Actuary.
C. School Psychologist.
8. If you're interested in a career in Industrial, Engineering & Technology, you should research which career?
A. Web developer.
B. Child & Family Social Worker.
C. Fundraising Director.
9. If you're interested in a career in Natural Resources & Agriculture, which career should you AVOID?
A. Hydrologist.
B. Veterinarian.
C. Interpreter.

10. What does a genetic counselor do?
- A. Helps businesses and individuals make wise money decisions.
 - B. Assesses risks for inherited conditions such as genetic disorders and birth defects.
 - C. Installs and maintains electrical systems in homes and public facilities.

Name: _____

Jobs for the 21st Century Reading Comprehension Quiz

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VII. Multiply Your Money

Back Cover

INDIVIDUAL ACTIVITY: Writing headlines.

- A headline consists of a subject, verb and an engaging detail that makes the reader want to read the full story.
- Write five headlines about students with bright futures.
- Some examples:
 - 8th grader inherits millions, but stays in school
 - Teenage boy gets drafted for NFL, but chooses college instead
 - High school senior from low-income area gets scholarship to Ivy League school

Going Beyond: Choose one headline and write a story that goes with it.

Subjects: Any/Language Arts, News Media

Skills: Inventing, Brainstorming, Creative writing.

Suggested length of lesson: One class period.

Multiply Your Money Vocabulary Worksheet

Find the following words in the article. First, guess what the words mean based on the context or any prior knowledge. Write these definitions on your paper. Compare your definitions with a dictionary and correct any as needed.

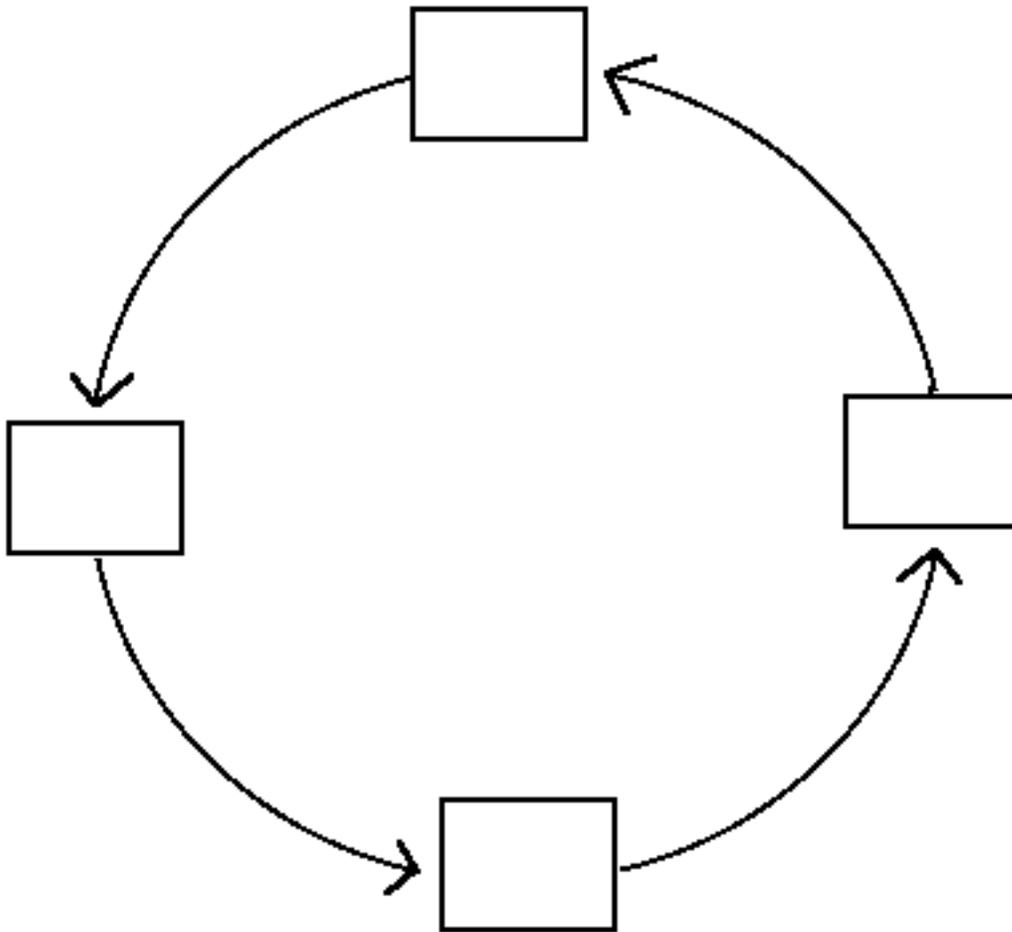
Then, take each word and create a box like the one below.

1. earning
2. bachelor's degree
3. typically
4. scholarship
5. allies

DEFINITION	CHARACTERISTICS
EXAMPLES	NON-EXAMPLES

**Multiply Your Money
Flow Chart Worksheet**

Using all of the resources available to you, make a flow chart that explains the tasks required to finish middle school and high school and get into college. Don't forget your parents, teacher and school counselor! Use the one below to help you get started.



Name: _____

Multiply Your Money Worksheet/Quiz (KEY)

Using the word bank below, fill in the blanks with the correct word. Write on your own paper.

1. Read about **CAREERS** and **COLLEGES** you like. You'll find lots of books available in your school or community **LIBRARY**. Just ask the librarian!
2. Take classes or join clubs in those areas that **INTEREST** you. If your interest is music, join the choir or band. If you want to be a **COACH**, get into sports. You'll have many more choices in high school—clubs in math, business, speech, **THEATER**, science, art and others.
3. Decide now to **GRADUATE** from high school.
4. Talk to your school **COUNSELOR**, favorite teacher or principal. Ask them what **COURSES** you should take to get ready for a career that you like.
5. Decide now to **STAY** in school!
6. Clip **ARTICLES** from magazines, newspapers and blogs and put them into a scrapbook or personal file box. **REVIEW** and update your file from time to time.
7. Talk to your **MOM & DAD** a lot about school and about yourself. Tell them what you like to study and what careers seem to interest you. Then, **LISTEN** to their advice. (They were young once, too!)
8. Ask your teachers and counselors what you need to do now to prepare for college. They are great **ALLIES**! Tell them what career you think you would like and ask them to steer you toward courses and subjects that can help you get ready for high school and college.
9. Decide **NOW** to attend college. (You'll figure out **HOW** later!)
10. Make sure your parents attend **PARENT'S VISITATION NIGHT** at your school. Help them stay informed about your **PROGRESS** and your interests, so they can ask the right questions about **FINANCIAL AID**, scholarships and colleges while you're still in school.

WORD BANK

Graduate	Now	Courses	Colleges	Stay
Theater	Parent's	Progress	Articles	Listen
	Visitation Night			
Review	Coach	Allies	Library	Mom & Dad
Counselor	Financial aid	Careers	How	Interest

Check your answers with page 16. Choose one tip to start today. Share it with the class.

Name: _____

10 Easy Steps for a Bright Future Worksheet/Quiz

Using the word bank below, fill in the blanks with the correct word. Write on your own paper.

1. Read about ____ and ____ you like. You'll find lots of books available in your school or community _____. Just ask the librarian!
2. Take classes or join clubs in those areas that ____ you. If your interest is music, join the choir or band. If you want to be a ____, get into sports. You'll have many more choices in high school—clubs in math, business, speech, ____, science, art and others.
3. Decide now to ____ from high school.
4. Talk to your school ____, favorite teacher or principal. Ask them what ____ you should take to get ready for a career that you like.
5. Decide now to ____ in school!
6. Clip ____ from magazines, newspapers and blogs and put them into a scrapbook or personal file box. ____ and update your file from time to time.
7. Talk to your ____ a lot about school and about yourself. Tell them what you like to study and what careers seem to interest you. Then, ____ to their advice. (They were young once, too!)
8. Ask your teachers and counselors what you need to do now to prepare for college. They are great ____! Tell them what career you think you would like and ask them to steer you toward courses and subjects that can help you get ready for high school and college.
9. Decide ____ to attend college. (You'll figure out ____ later!)
10. Make sure your parents attend ____ at your school. Help them stay informed about your ____ and your interests, so they can ask the right questions about ____, scholarships and colleges while you're still in school.

Check your answers with page 16. Choose one tip to start today. Share it with the class.

WORD BANK

Graduate	Now	Courses	Colleges	Stay
Theater	Parent's	Progress	Articles	Listen
	Visitation Night			
Review	Coach	Allies	Library	Mom & Dad
Counselor	Financial aid	Careers	How	Interest