

### □ Activity 3: Beyond Roots

Knowing Latin and Greek roots can greatly improve your ability to understand new vocabulary words. A *root* is a section of a word that has a specific meaning. For example, the root "bi" means "two," and the root "cycl" means "circle." Knowing these meanings helps you understand that the word "bicycle" means "a vehicle with two circles (wheels)." It is especially important that scientists be familiar with Latin and Greek roots in order to have an understanding of the vocabulary in the different scientific fields.

Throughout this unit, you will use the Beyond Roots cards and online quizzes to help you learn several roots and their meanings.

Before you begin, separate the Beyond Roots card deck into individual sets (Set 1, Set 2, and Set 3). Set numbers are found on the upper left corner of the card. You will work with Set 1 in this activity.

First, look through the Set 1 cards. Note that each root-English card pair shares the same colored symbol (found on the bottom right of the card). During games, the matching symbols will help you confirm that a match is correct. Read over the games and their instructions at the following web link and then play one or more games — Memory, Root Recall, or Go Root! — using the Set 1 cards.

Once you have learned the roots' meanings, go to the "Online Roots Quizzes" section of the webpage and click the link to take the Beyond Roots, Set 1, A quiz. If you score 80% or higher on the quiz, take the Beyond Roots, Set 1, B quiz. (If you score lower than 80% on the A quiz, review the Set 1 cards and retake the A quiz.)

#### **Beyond Roots**

[www.movingbeyondthepage.com/link/9958/](http://www.movingbeyondthepage.com/link/9958/)

Scroll to the "How to Play" section for game instructions and the "Online Roots Quizzes" section for quiz links.

**Activities** **Activity 3: Beyond Roots**

Look through the Beyond Roots Set 2 cards and then play the Memory, Root Recall, and/or Go Root! game using the Set 2 cards. (Game instructions and quiz links can be found at the following web link.)

Once you have learned the roots' meanings, go to the "Online Roots Quizzes" section of the webpage and click the link to take the Beyond Roots, Set 2, A quiz. Once you score 80% or higher on the quiz, take the Beyond Roots, Set 2, B quiz. (If you score lower than 80% on the A quiz, first review the Set 2 cards and retake the quiz.)

**Beyond Roots**

[www.movingbeyondthepage.com/link/9966/](http://www.movingbeyondthepage.com/link/9966/)

Scroll to the "How to Play" section for game instructions and the "Online Roots Quizzes" section for quiz links.

### □ Activity 5: Beyond Roots

Look through the Beyond Roots Set 3 cards and then play the Memory, Root Recall, and/or Go Root! game using the Set 3 cards. (Game instructions and quiz links can be found at the following web link.)

Once you have learned the roots' meanings, go to the "Online Roots Quizzes" section of the webpage and click the link to take the Beyond Roots, Set 3, A quiz. Once you score 80% or higher on the quiz, take the Beyond Roots, Set 3, B quiz. (If you score lower than 80% on the A quiz, first review the Set 1 cards and retake the quiz.)

#### **Beyond Roots**

[www.movingbeyondthepage.com/link/9968/](http://www.movingbeyondthepage.com/link/9968/)

Scroll to the "How to Play" section for game instructions and the "Online Roots Quizzes" section for quiz links.

**Day 2** **Activity 4: Beyond Roots**

Combine all three sets of Beyond Roots cards, and then use the cards to review the roots and their meanings. Try playing Go Root! with all three set of cards mixed together.

Next, take the Beyond Roots, All Sets quiz. In this quiz, you will answer questions based on roots found in all three sets of cards. (Game instructions and quiz links can be found at the following web link.)

**Beyond Roots**

[www.movingbeyondthepage.com/link/9967/](http://www.movingbeyondthepage.com/link/9967/)

Scroll to the "How to Play" section for game instructions and the "Online Roots Quizzes" section for quiz links.

### Lesson 3: University Days and Beyond

#### Activity 3: Beyond Roots

Your child will look through and play games with Set 1 of the Beyond Roots cards. Then he will take online quizzes to test his knowledge.

During this unit, your child will take two online quizzes for each set of cards — an A quiz on the roots' meaning and a B quiz where your child must apply his knowledge of root meanings. (There is also a quiz that combines all three sets.) You will receive an email with the quiz results. Note that your child can take the quizzes more than once. NOTE: Some roots can have more than one meaning. The Beyond Roots cards use the most common meanings.

#### Wrapping Up

##### Things to Review

Review the roots your child learned about today. If he scored less than 80% on either the Set 1, A quiz or the Set 1, B quiz, encourage him to retake one or both quizzes.

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### Lesson 5: The Professor

#### Activity 3: Beyond Roots

Today you or an older sibling can the Root Recall or Go Root! game with your child using the Set 2 cards. Your child should also take the A and B quiz for Set 2.

#### Wrapping Up

##### Things to Review

Review the roots from Set 2 of Beyond Roots. If your child scored less than 80% on either quiz, encourage him to retake them.

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### Lesson 7: War

#### Activity 5: Beyond Roots

Encourage your child to play the Memory game with the Set 3 cards, or play Root Recall or Go Root! with him. He will also take two online quizzes on the roots. If he scores less than 80% on the A quiz, he should review the cards and retake the quiz before trying the B quiz.

#### Wrapping Up

##### Things to Review

Review the meanings of the roots on the Set 3 Beyond Roots card.

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### Lesson 8: Peace

#### Activity 4: Beyond Roots

Your child should review the roots in all three sets of Beyond Roots cards. Encourage her to combine the three decks and play Go Root! with a parent or sibling. When she is done, she should take the Beyond Roots, All Sets quiz, which covers root meanings from all three sets of cards.

#### Wrapping Up

##### Things to Review

Review the common characteristics of a biography. If your child scored less than 80% on the Beyond Roots, All Sets quiz, encourage her to take the quiz again.

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