



Creating an IntelliQuiz Tutorial

Note: This tutorial requires that you have installed *IntelliPics Studio*. Authoring features necessary to complete this tutorial are not available when using *IntelliPics Studio Player*.



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Credits

IntelliPics Studio was produced through the collaborative efforts of many staff members at IntelliTools. Design: Arjan Khalsa, Scott Schafer; Project Management: David Robertshaw; Content Development: Suzanne Feit, Arjan Khalsa, Lucinda Ray, Patty Kilroy; Software Engineering: Scott Schafer, Paul Archibald, Fred Ross-Perry; User's Guide: Alan Rhody; Teacher's Guide: Lucinda Ray; Tutorial: Suzanne Feit; Additional Development: Philip Nittenberg, Jeremy Bolan, Linda Finley, Meida Pang, Steve Gensler; Testing: Dale Goetsch, Lisa Carr, Mike Burns, Meida Pang, Chris Finley; Artwork: Patty Kilroy, Chris Santeramo, Michelle Graham, Mary Ann Zapalac, Jeremy Bolan; Support Services: Linda Finley; Packaging: Patty Kilroy; Creating an IntelliQuiz Tutorial: Alan Rhody.

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Introduction

An IntelliQuiz is a pre-formatted activity that you can customize and include in any *IntelliPics® Studio* document. Each IntelliQuiz is an interactive quiz session that includes one or more questions for the user to answer, or tasks for the user to perform. A document can include multiple quizzes.

An IntelliQuiz typically relates to an activity contained in the same document. For instance, a document containing a book report might include an IntelliQuiz for review purposes. Or a document containing a curriculum activity might include an IntelliQuiz for student evaluation purposes. An IntelliQuiz can even be designed as a game.

To design an IntelliQuiz, you compose the question(s) and pick what the user sees on-screen during the question. Quiz questions usually refer to things the user saw and heard during the activity. For instance, for a quiz that relates to an Animals in the Forest activity, the questions might be:

- Find the bird on the page. (You could simultaneously display a page from the activity.)
- How many birds are on the page? (You could simultaneously display a page from the activity.)
- Which animal has feathers? (You could simultaneously display a picture of a bird.)
- Spell the word bear. (You could simultaneously display a picture of a bear.)

The question is presented to the user as text displayed in a caption box and read aloud.

Answers to the quiz questions are always selected from choices included in the document. The user responds to the question by:

- Clicking a palette item located in the document's window.
- Clicking a selection displayed in the Picture Library.
- Selecting a picture that has been inserted on the page.
- Typing an item name in the Typing Window.

The program automatically provides text and audio feedback to the user's correct and incorrect responses based on replies that you have also composed.

Replies might be:

- That's right!
- Correct! There are two birds on the page.
- No, that is a bear. A bear has fur. Try again.
- That is not the correct spelling. Try again.

You also pick what the user sees on-screen after a response.

Before You Start

It is useful to storyboard your ideas before you start creating an IntelliQuiz activity. Some issues to consider are:

- What questions and answers will your quiz include? (It is easier to compose quiz questions if you determine the answers beforehand.)
- What will be displayed on the page while each question is being asked? Nothing? A picture of the answer? Another picture from the Picture Library? Another page in the same document?
- Will questions be presented in sequence or randomly?
- How many response choices other than the answer will your quiz include? You can include any number of choices as long as they are drawn from the *IntelliPics Studio* Item Library.
- Will the answers and other response choices be palette items located in the document's window (the Picture Library can appear as a palette during quizzes) and/or pictures on the page? Will the user be able to type an answer in a Typing Window?
- Do you have the necessary items in the Item Library and/or the necessary pictures in the Picture Library?
- How many incorrect responses will be allowed before the next question is displayed to the user?
- What will the user see and hear after a correct response?
- What will the user see and hear after an incorrect response?

Note: This tutorial requires that you have installed *IntelliPics Studio*.

Creating an IntelliQuiz

In this tutorial, you will create a simple “Find the...” quiz activity in a single page document. The quiz topic will be desert creatures.



Tip This quiz will function similarly to the quiz in *A Day at the Beach Story Book*—a sample activity included with *IntelliPics Studio*.

Preparing the Document

1. Launch *IntelliPics Studio*. If the program is already launched, close any open documents so only the Home Page is displayed.
2. From the *IntelliPics Studio* Home page, click the Paint and Design button.
3. From the Paint and Design page, click the Blank Template button. An untitled document displays. An empty page occupies the entire window, since no toolbars or palettes are included in the blank document.

Naming the Quiz Page


4. From the Pages menu, select Page Properties. The Page Properties dialog box displays.

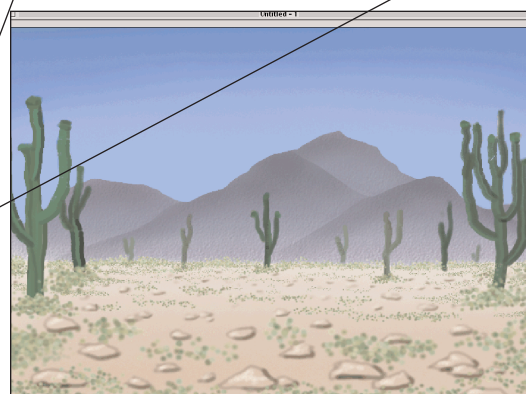
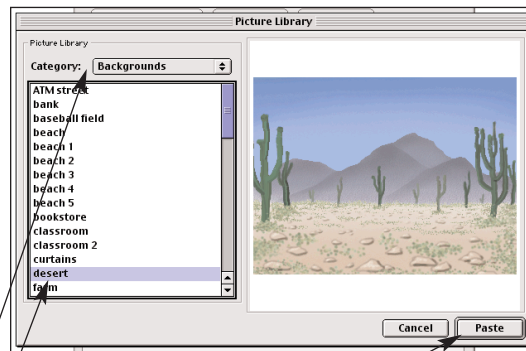
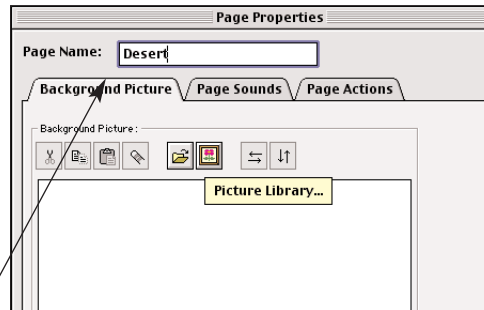
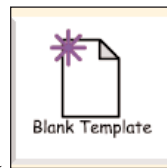
It is useful to give a quiz page a descriptive name so you can select it easily when you choose quiz settings later in this tutorial (although the default page name/number can be used).

5. Name the page by typing Desert in the Page Name text box.

Adding a Page Background

6. To make the quiz visually interesting, add a background to the page displayed:
 - a. Click the Background Picture tab in the Page Properties dialog box.
 - b. Click the Picture Library button (the flower icon). The Picture Library dialog box displays.
 - c. From the Category drop down list box, select Backgrounds to view a listing of pictures.
 - d. Select the desert picture listing and click Paste. The selected picture previews.
7. Click OK to close the Page Properties dialog box. The background is added to the Desert page.
8. Save the document and name it Desert Quiz.

 **Note** The illustrations in this tutorial are intended to be similar to what you see on-screen. Some may differ depending on the computer system you are using.



Providing Response Choices

The next step in creating a quiz is to provide response choices for the student in the document and/or on the page. The means of responding and the various possible answers to the quiz question should be planned beforehand, so you know what palette items to add to the document and/or what pictures to place on the page. For this quiz, students will be able to respond by clicking a palette item or by selecting a picture on the page. (IntelliKeys® users: All palette items in a document are included in an overlay automatically.) You will provide six different desert creatures as response choices.

Creating, Naming and Positioning a Palette

One way to place pictures on the page is to create a palette of desert creature items and add the palette to the document. Clicking a palette item inserts a picture on the page. (After using the palette to insert pictures, a teacher can choose to have the palette remain visible and available to students for answering quiz questions, or the palette can be hidden from view)

1. From the Create menu, select Edit Palettes. The Palettes dialog box displays.
2. Click the New Palette button. The New Palette dialog box displays. In the Palette Name box, type Desert Creatures. Under Initial Placement, click the radio button for Left. Click OK.

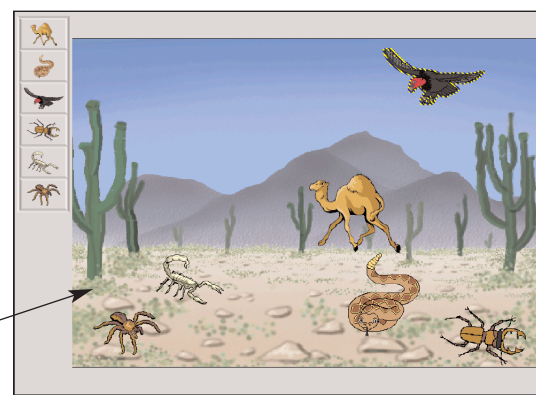
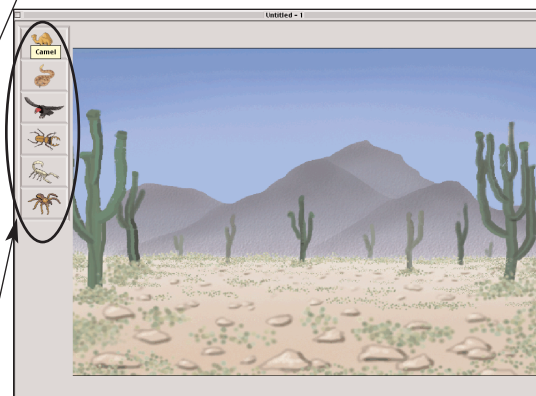
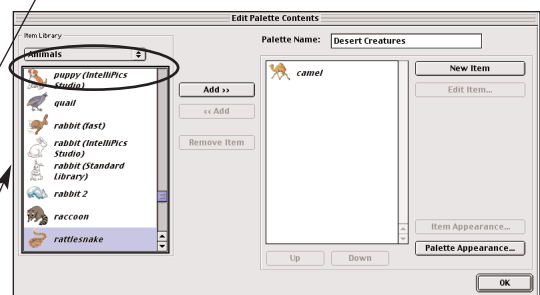
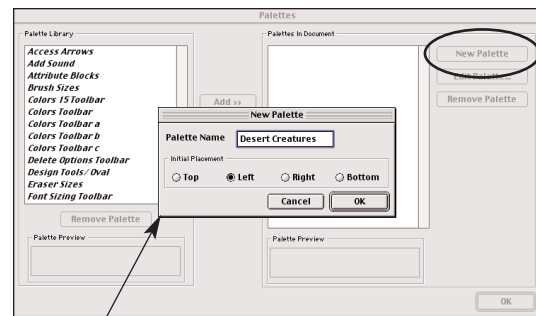
Adding Items to a Palette

The Edit Palette Contents dialog box displays automatically. You will be adding items from the Item Library (the list box on the left) to the new palette.

3. Select Animals from the Item Library drop-down list box. Select the Camel listing and click the Add>> button. Also select and add Rattlesnake and Vulture to the newly created palette.
4. Select Bugs from the Item Library drop-down list box. Select and add Beetle, Scorpion and Tarantula to the newly created palette.
5. Close the two open dialog boxes (click OK). The new palette of desert creature items displays to the left of the page.

Placing Pictures on the Page

6. Click each palette item to insert desert creatures on the page. Reposition them, if desired. Students will use this page to answer quiz questions



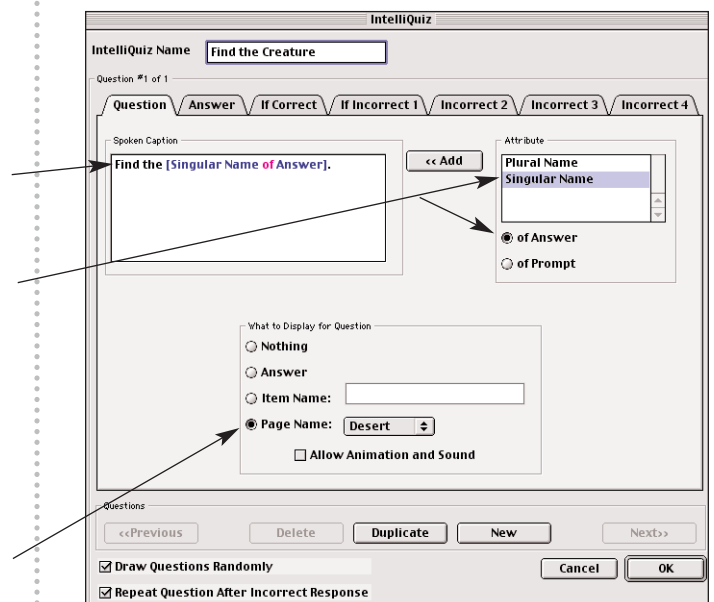
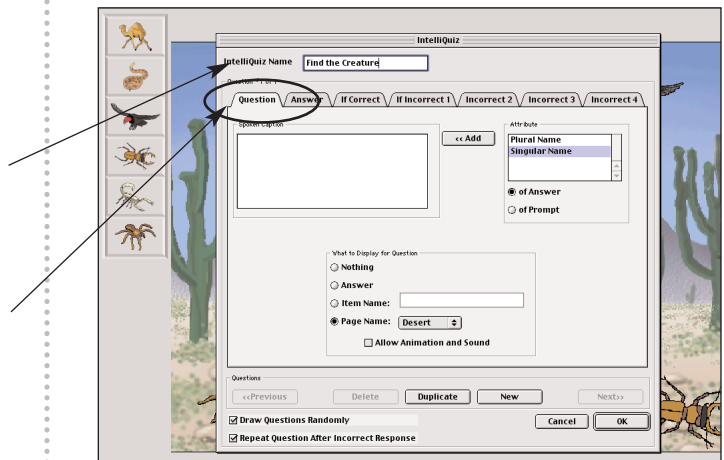
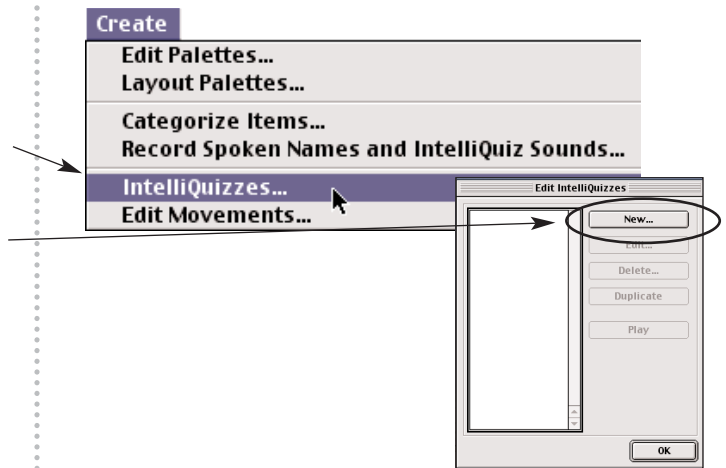
Creating a Quiz

Now you are ready to create a quiz using *IntelliPics Studio's* IntelliQuiz feature. To create a quiz:

1. From the Create menu, select IntelliQuizzes. The Edit IntelliQuizzes dialog box displays.
2. Click New to open a blank IntelliQuiz dialog box. Use the IntelliQuiz dialog box to:
 - Name the Quiz.
 - Compose one or more quiz questions.
 - Provide responses that students will see and hear when they answer each question. For each question, you can provide responses for a correct answer and 1–4 incorrect answers.
 - Select the order in which questions are asked and if questions are repeated.
3. In the IntelliQuiz dialog box's Name box, type the quiz name Find the Creature.

Composing a Quiz Question

1. Click the Question tab. This section of the IntelliQuiz dialog box includes:
 - Spoken Caption box – used to compose a question that will be read aloud to students.
 - Attribute box – choices for how question is phrased (e.g., a “Find the...” question has the answer word as part of the question).
 - What to Display for Question options – what the student will see as the question is asked.
2. In the Spoken Caption box, type the words **Find the** followed by a space. (Note: Finding a target item is regarded as a question.)
3. In the Attribute list box, select Singular Name and of Answer (click the radio button).
4. Click the <<Add button to include these attributes in the spoken caption. (Attributes are bracketed.)
5. Put a period at the end of the sentence **Find the [Singular Name of Answer]** in the Spoken Caption box.
6. In the What to Display for Question box, click the Page Name radio button. From the Page Name drop-down list box, select Desert to display the page you've previously prepared. The student will see this page as the question is read aloud.



Picking an Answer

Now you need to pick a correct answer to the question you composed. Answers to a quiz question can be selected from various sources. For this quiz, answers are drawn from the the available palette items in the document. To pick a correct answer:

1. Click the Answer tab.
2. In the Where to Get Answer portion of the tab:
 - a. Click the Select Randomly from Palette radio button (so program chooses target item).
 - b. From the drop-down list box, select Desert Creatures (the name of the palette of animal and bug items that you previously created).

Composing a Response to a Correct Answer

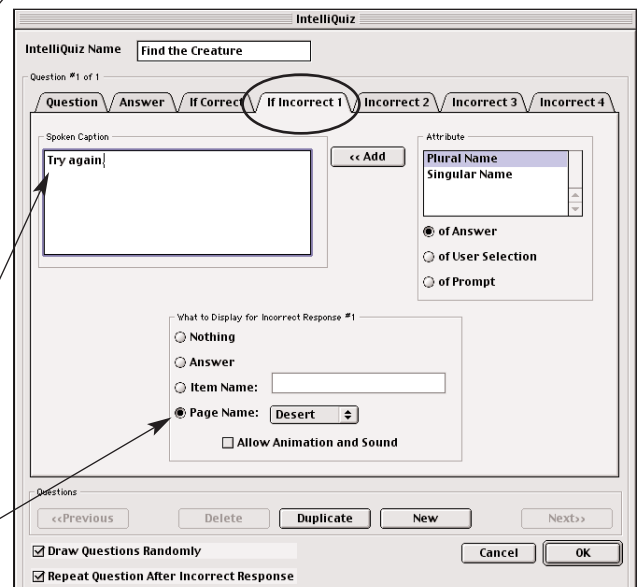
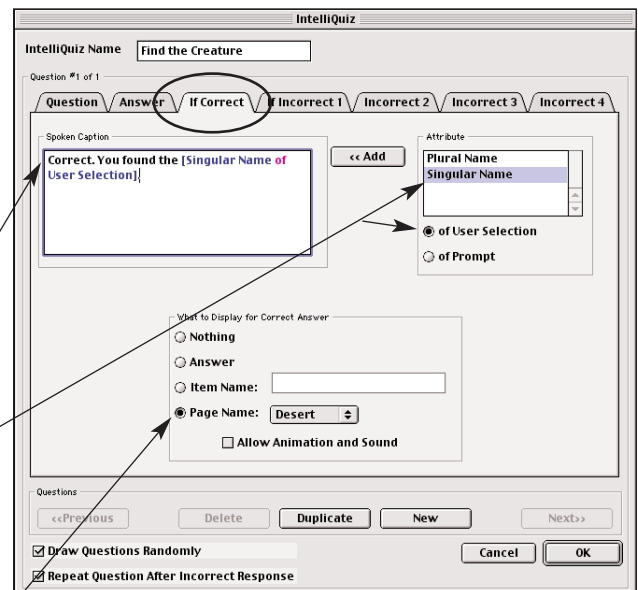
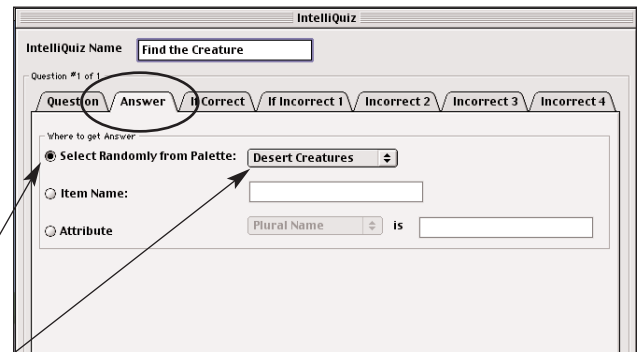
You now have the chance to compose an appropriate response to a correct answer (i.e., the student finds the creature referred to in the question).

1. Click the If Correct tab.
2. In the Spoken Caption box, type the words **Correct. You found the**, followed by a space.
3. In the Attribute list box, select Singular Name and of User Selection (click the radio button).
4. Click the <<Add button to include these attributes in the spoken caption.
5. Put a period at the end of the sentence **You found the [Singular Name of User Selection]**.
6. In the What to Display for Correct Answer box, click the Page Name radio button. From the Page Name drop-down list box, select Desert.

Composing a Response to the First Incorrect Answer

You now have the chance to compose an appropriate response to an incorrect answer (i.e., the student identifies the wrong creature).

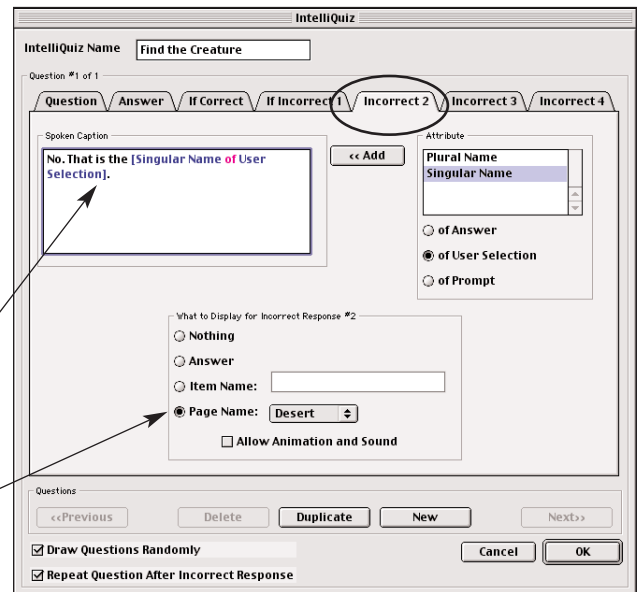
1. Click the If Incorrect 1 tab.
2. In the Spoken Caption box, type the words **Try again**. No attributes need to be added to this command.
3. In the What to Display for Incorrect Response #1 box, click the Page Name radio button. From the Page Name drop-down list box, select Desert.



Composing a Response to the Second Incorrect Answer

You now have the chance to compose an appropriate response to a second incorrect answer (i.e., the student identifies the wrong creature a second time).

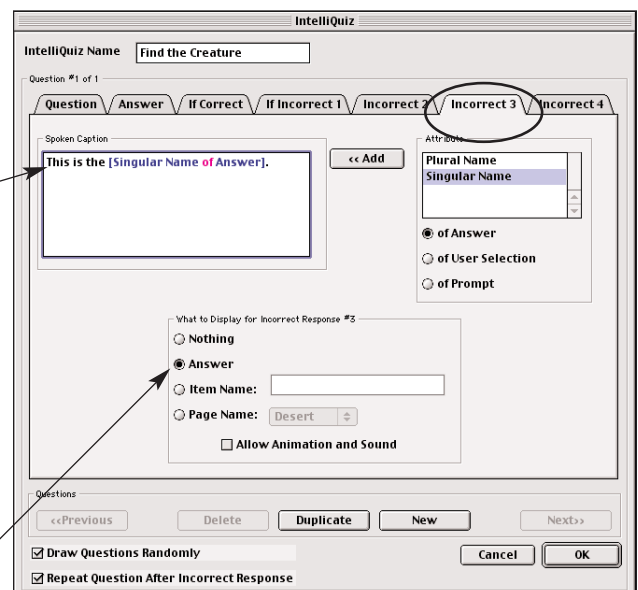
1. Click the If Incorrect 2 tab.
2. In the Spoken Caption box, type the words **No. That is the** followed by a space.
3. In the Attribute list box, select Singular Name and of User Selection (click the radio button).
4. Click the <<Add button to include these attributes in the spoken caption.
5. Put a period at the end of the sentence **That is the [Singular Name of Answer]** in the Spoken Caption box.
6. In the What to Display for Incorrect Response #2 box, select the Page Name option and from the drop-down box select Desert.



Composing a Response to the Third Incorrect Answer

You now have the chance to compose an appropriate response to a third incorrect answer (i.e., the student identifies the wrong creature again). You also can display an enlarged picture of the correct answer.

1. Click the If Incorrect 3 tab.
2. In the Spoken Caption box, type the words **This is the** followed by a space.
3. In the Attribute list box, select Singular Name and of Answer (click the radio button).
4. Click the <<Add button to include these attributes in the spoken caption.
5. Put a period at the end of the statement **This is the [Singular Name of Answer]**.
6. Type another sentence **Let's find another creature.** in the Spoken Caption box.
7. In the What to Display for Incorrect Response #3 box, select Answer (click the radio button). After a third wrong selection, the student will see the creature the question refers to (i.e., a full screen picture of the correct answer) and be asked to proceed with another task.



Setting Other Quiz Options

The five buttons in the IntelliQuiz's Questions box are for multiple question quizzes. Since this is a single question quiz, you do not need to use them (refer to page 9 of this tutorial for more information).

Note the two check boxes on the bottom of the IntelliQuiz dialog box. Select these options to:

- Draw Questions Randomly – If a quiz contains more than one question, the program will present questions to the student in random order.
- Repeat Question After Incorrect Response – If a student selected the wrong answer, the program will repeat the question automatically. This option must be selected if you have composed more than one response to an incorrect answer.

Check the Repeat Question After Incorrect Response check box for the Find the Creature quiz.

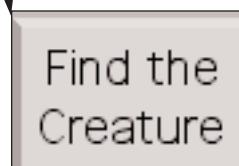
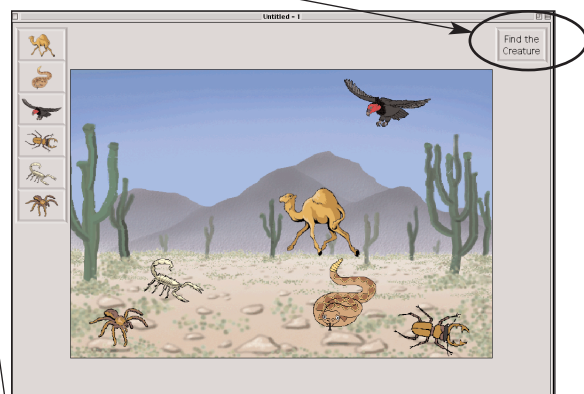
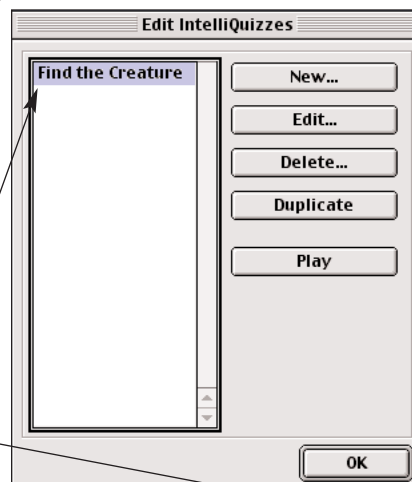
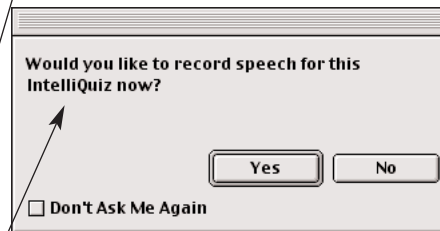
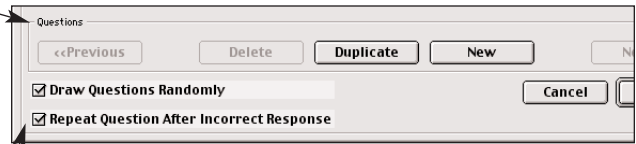
Completing a Quiz

1. Click OK to close the IntelliQuiz dialog box. A message box appears on-screen asking if you want to record speech for the quiz.
2. Click No. The message box closes.
3. The Edit IntelliQuizzes dialog box displays. The name of the new quiz appears in the list box.
4. Click OK. A palette item labeled Find the Creature is added to the document automatically. Students will click this item to play the quiz.
5. Save your work.

Deactivating ToolTips

It is recommended that you turn off *IntelliPics Studio's* Talking Tooltips (if it is active). This prevents students from hearing verbal cues when they search for answers. To turn off Talking Tooltips:

1. From the Options menu, select General Preferences. The Preferences dialog box displays.
2. Click the User Interface tab.
3. Deselect the Talking Tooltips option (so no check appears in the check box).
4. (Optional) To prevent students from seeing written cues, deselect the Show Tooltips option (hides names of palette items).
5. Click OK to close the Preferences dialog box.



Testing the Quiz

Now it is time to try the newly created quiz.

1. Click the Find the Creature palette item.
2. Listen to the quiz question and make a correct response.

Note: You can enter a quiz response by selecting a picture on the page or by clicking an item on the Desert Creatures palette. Try both ways as you proceed.

3. Listen to the quiz question and make three incorrect responses.
4. Proceed with the quiz.
5. Select Stop Quiz from the Quiz menu bar when you are finished testing the quiz.

Additional Quiz Production Tips

- Save your work frequently.
- Determine the quiz answer before you compose questions and replies.
- Compose “positive sounding” replies, even for incorrect answers. End incorrect replies with the phrase “Try again!”
- Make your own palette items if needed, so the user has the best selection of response choices.
- Add your quiz palette item to the Item Library if you want to use it in another document.
- Include a Stop Quiz palette item in your document for students to click (instead of selecting a menu option) when they are finished with the quiz.
- You can hide a palette if you have placed the quiz items on that palette onto the quiz page. (Do not delete the palette, however.)

Predesigned Quizzes

Review these *IntelliPics Studio* Sample Activities for samples of quiz making strategies:

- Animals in the Forest
- A Day at the Beach
- Volcanoes
- Landforms

Congratulations

Congratulations! You have created an IntelliQuiz that students can use to recall and reinforce their learning.

The Teacher’s Guide that comes with *IntelliPics Studio* contains 17 lesson plans to help you use the Sample Activities and Activity Templates in the context of your curriculum. The User’s Guide provides more detailed instructions about the many tools and features of the program.

Be sure to check the IntelliTools Web site, www.intellitools.com, for more ideas and activities related to using *IntelliPics Studio*.

Appendix A – Exploring IntelliQuiz Dialog Boxes

Exploring IntelliQuiz Dialog Boxes

When creating an IntelliQuiz, it is useful to familiarize yourself with two dialog boxes: the Edit IntelliQuizzes dialog box, and the IntelliQuiz dialog box.

1. Select IntelliQuizzes from the Create menu. The Edit IntelliQuizzes dialog box displays.

The Edit IntelliQuizzes dialog box includes:

Quiz list box – lists the quizzes included in this document.

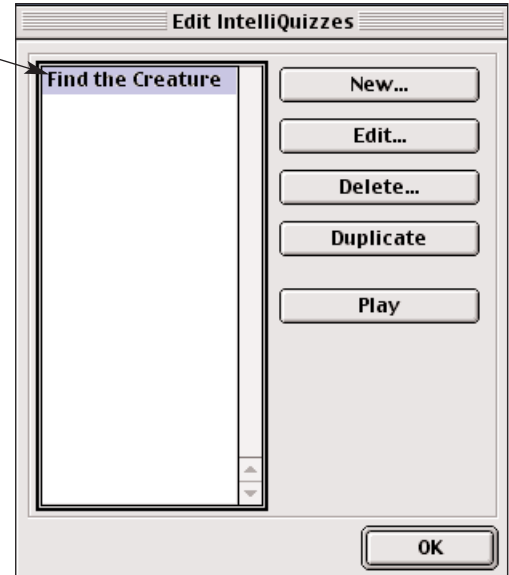
New button – click to open a blank IntelliQuiz dialog box.

Edit button – click to open the IntelliQuiz dialog box associated with the selected listing.

Delete button – click to delete the selected quiz listing.

Duplicate button – click to copy the selected IntelliQuiz.

Play button – click to play the selected IntelliQuiz.



2. Click New or Edit depending on whether you want to create a new quiz or edit an existing one. The IntelliQuiz dialog box displays (see next page for illustration). Specifically, you use the IntelliQuiz dialog box to:
 - a. Name a quiz.
 - b. Compose a quiz question and choose what displays on the page during that question.
 - c. Designate an answer to the question.
 - d. Compose a reply to a correct response and choose what displays on the page during that reply.
 - e. Compose one to four replies to an incorrect response and choose what displays on the page during each reply.
 - f. Compose additional questions, answers, and replies.
 - g. Set question presentation options. (Are questions repeated? Are questions asked in random order or in sequential order?)

The IntelliQuiz dialog box includes:

Quiz Name text entry box – used to name a quiz.

Question Number – displays current question number and total number of questions.

Question-and-Answer settings – includes 7 tabbed sections that relate to what the student sees and hears during a single question-and-answer session:

Question section – used to compose a quiz question.

Answer section – used to designate a quiz answer.

If Correct section – used to compose a reply to a correct response.

If Incorrect 1 section – used to compose a reply to an incorrect response.

Incorrect 2 section – used to compose a reply to a second incorrect response.

Incorrect 3 section – used to compose a reply to a third incorrect response.

Incorrect 4 section – used to compose a reply to a fourth incorrect response.

Questions box – used to navigate, edit, and create questions. The buttons in this box are:

Previous – displays previous question in current quiz.

Delete – deletes quiz question.

Duplicate – creates new quiz question using current settings. You can modify the settings.

New – creates new quiz question.

Next – displays next question in current quiz.

Draw Questions Randomly check box – if checked, quiz questions are presented to the user in random order.

Repeat Question After Incorrect Response check box – if checked, a question is repeated if the user responds incorrectly.

3. Click each section tab to see the various quiz building features. Notice that many of the features are repeated in each section of the dialog box.
4. Click the Duplicate button or the new button. Notice that the Question number changes.
5. Click Cancel twice to close the dialog boxes.

