How to Begin

Most text fields can be narrated. If you move over some text and see the narration cursor, click the mouse, and the browser will read the text.

Click here to exit the lesson.

Click the Digestive icon to begin exploring the pig in the recommended sequence.
Click any of these icons to begin exploring other pig systems.
Click here to begin the pig MiniLabs.
Click here to navigate through the program.
Click here to set preferences.

Exploring Fetal Pig Systems
eMind Pig includes dissection modules and interactive extensions for each of five main pig systems. You can click the icons or use the Systems and Extensions menus to visit each section of the dissection.

Digestive System
The pig’s internal organs for processing food.

Respiratory System
The pig’s internal organs for breathing and circulation.

Urogenital System
The pig’s sexual and excretory organs and systems.

Endocrine System
Explore the glands that secrete substances that support pig physiology.

Skeletal System
A Bone Yard that you can use to assemble a pig skeleton.

MiniLabs
Investigate, graph, and report on mammalian respiration and heart rate.

Completing the Guided Dissection
As you complete each system, eMind Pig enables you to review topics and test your knowledge with the system quizzes.

1. Click the Digestive button on the main screen.
2. Complete the module by dragging each organ to its correct location on the dissection tray.
3. Click Continue. Click on any removed organs to review its function. Click Continue again when you are ready to for the quiz.
4. Complete the quiz by dragging the specified organs from the dissection chart to their correct locations in the pig.
5. Click Repeat to repeat the dissection, or click OK and then Next to continue to another module of the dissection.
6. Complete the extension as directed by the software and click close button.
7. When you have completed all five modules, eMind Pig gives you the option to complete the comprehensive Pig Test, or repeat any module.

Setting Preferences
Press the Preference button on the Home screen to display the Preferences dialog box.

Click a button to be quizzed by organ names, their descriptions, or both.
Sets the speaking rate when text is read.
Enable roll-over speaking of images and other accessibility enhancements.

Sets the number of incorrect placements of organs accepted during a quiz.
Dissecting the Internal Organs
Digestive, Respiratory, Urogenital and Endocrine Systems

Drag each organ to the correct location on this dissection tray.
The name of any organ to which you point appears here.

Click flashing media icons to view pictures or movies.

Rebuilding the Skeleton
Skeletal System

When you correctly place a bone, a label with its name appears.
Drag bones from here to their correct locations in the pig skeleton.
The Bone Yard media windows display the human equivalent for each pig bone.

Using the Media Window
Look for the media icons in the lower corner of each dissection screen to flash. Click any flashing icon to see a media window that includes pictures or movies of the indicated pig part.

Dissection Extensions: Peristalsis, Heart Circulation, Nephron Function, Hormones, and Muscles
After you complete each system, eMind Pig takes you to a dissection extension that allows you to observe a related physiological process.

Peristalsis is the muscular process by which the pig moves food through its esophagus.
The heart pumps carbon dioxide-laden and oxygenated blood through its four chambers.
The nephron process in the kidneys filters wastes from the bloodstream.
Insulin counter-balances the presence of sugar in the blood.
The pig extends and retracts its limbs through the action of antagonistic muscle pairs.

The stomach is located underneath the liver, just anterior to the small intestine.
Gathering Data

Drag slider to set levels of exercise intensity.

Click these buttons to initiate each phase of the experiment.

Click these droppers to complete the experiment.

Record your findings in these fields.

Use these buttons to print the current MiniLab screen or move to the next and previous screen.

Drawing Conclusions

Drag these sliders to graph the correct data values.

The data you gathered on the previous screen appears here.

Click on the color coded shape to select the variable to graph.

Complete your analysis by answering these questions.