Reverse Dissection

Summary
Students use paper frog organs to reassemble frog organ systems.

Main Core Tie
SEEd - Grade 7
Strand 7.3: STRUCTURE AND FUNCTION OF LIFE Standard 7.3.3

Time Frame
2 class periods of 45 minutes each

Group Size
Small Groups

Materials
- frog organs and frog outline
  resources such as textbooks or Internet
  colored pencils or markers
  Scotch tape or glue
  scissors
- student worksheet

Background for Teachers
Students are working on being able to identify and describe the function and interdependence of various organs and tissues. They may be able to do the indicators below at the beginning of the activity or the end, this can be used as a summative or formative activity.
  Order the levels of organization from simple to complex (e.g., cell, tissue, organ, system, organism).
  Match a particular structure to the appropriate level (e.g., heart to organ, cactus to organism, muscle to tissue).
  Relate the structure of an organ to its component parts and the larger system of which it is a part.

Instructional Procedures
"Hook" students with a short video or video clip showing a real live frog in its habitat. Discuss the things a frog’s body has to be able to do for it to carry out life functions. See if students can match body organs or organ systems to the frogs needs.
Give students or student groups the papers with the frog organs and frog outline and read the student page with them. Show students what resource materials are available for them to use for help.
Allow time for students to cut and paste. Ask students to check off their frog with you before answering the analysis questions. A key diagram is included on the pages below
There are many "virtual" frog dissections on the Internet. You may wish for your students to try one of them after doing this activity. Here is a site you might use: Virtual Frog Dissection

Assessment Plan
Bibliography
Lesson Design by Jordan School District Teachers and Staff.

Authors
Utah LessonPlans