



## Dissection Alternatives Lending Library

The National Anti-Vivisection Society (NAVS) is committed to creating a world that fosters compassion, respect and justice for all living creatures--inside the classroom and beyond. Today, there are many opportunities for students to study the sciences through nonanimal methods, which are more effective and often less expensive than using actual animals. To that end, NAVS has developed BioLEAP program to provide students, educators--even entire school--with effective state-of-the-art alternative models and computer programs to *substitute for the use of once-live animals in classroom dissection exercises*.

The following list describes dissection alternatives currently available through BioLEAP free-loan program. NAVS acquires new alternatives on a regular basis; so if the alternative you would like isn't on this list, please call for the most up-to-date selections. Call **800.922.FROG** for further information on how to obtain these alternatives for your classroom use or read through the guidelines for borrowing alternatives.

Animal	Medium	Description
Fetal Pig	Model	This 20-inch long fetal pig is a life-size model composed of a flexible plastic. It features all of the internal organs, major arteries and veins found along the body cavity, head and neck. The heart, lungs, stomach, liver and intestines are removable as a single unit, and one kidney is sectioned to show renal circulation. Comes with a fully illustrated, numbered key guide. Grades 6-College.
	CD	<b>Nebraska Scientific.</b> Features live video of an actual dissection, with a self-test and review. Explains and graphically depicts the pig's digestive, uro-genital, respiratory, circulatory and nervous systems. Grades 6-College. <b>System Requirements: Mac 7.x or later; Windows 3.1 or later.</b>
	CD	<b>BioLab Pig.</b> Providing an in-depth interactive dissection of a fetal pig, this program includes extensive details of the digestive, respiratory, urogenital, endocrine and skeletal systems. The extensions provide an interactive explanation of five life processes. The areas included are: peristalsis, heart function, antagonistic muscles, kidney function and hormone balance. Grades 6-College. <b>System Requirements: Mac 7.x or later; Windows 3.1 or later.</b>





Animal	Medium	Description
Fetal Pig	CD	<i>NeoTek Pig</i> . 3-dimensional educational tool. Chapters cover external anatomy, skeleton, muscles and internal cavities, as well as nervous, circulatory, respiratory, digestive and reproductive systems. Grades: 9-College. <b>System Requirements: Windows and a CRT monitor (No flatscreen)</b>
	Model (Heart)	Mammalian structures identified are mediastinum, myocardium, coronary sulcus, chordae tendineae, tricuspid valve and pectinate muscle. Grades K-College. <b>VHS format runs 14 minutes.</b>
Frog	Model	Hand-painted, anatomically accurate replica of the adult female bullfrog, <i>Rana catesbeina</i> . Approximately two-times life size (21x15x4"), this model fully illustrates all major organs as well as the circulatory, respiratory, reproductive, musculature and skeletal systems. The detachable heart divides in half to illustrate the three chambered heart, and the lower jaw is removable to show the internal structure of the mouth. Includes a key guide identifying over 175 organs, including an illustration of the male frog reproductive system. Grades K-College.
	CD	<b>BioLab Frog</b> . Provides an in-depth dissection of the following systems: external mouth, digestive, circulatory, reproductive and skeletal. Four mini-labs provide an interactive, in-depth lab experience in the physiology and anatomy of amphibians. You can collect, graph, analyze and interpret data as you conduct on-screen experiments. Grades 6-College. <b>System Requirements: Mac 7.1 or later; Windows 3.1 or higher.</b>
	CD	<b>Digital Frog II</b> . An interactive CD-ROM incorporating the complete spectrum of video, animations, sounds, narration, in-depth text and full color photographs. Comprehensive studies include a full dissection, an anatomy module as a reference tool which is linked to the dissection module, and an ecology section to give students an insight into species diversity, behavior, and the life cycle of frogs. Also included are comparisons with human organs. The Teacher/Student Workbook provides a structured way to explore this program. Students can choose to perform the Dissection at either the Standard (Grade 9-11) or Advanced (Grade 12-College) level. Grades 9-College. <b>System Requirements: Mac 7.1 and Windows 3.1 or later.</b>





Animal	Medium	Description
Frog	Video	<p>“<b>The Frog Inside Out</b>” by United Learning. This two-part video details all major external/internal organs and defines terms needed to understand important biological concepts, as well as the frog’s natural habitat. Includes details on anatomy and physiology. Grades 6-12. <b>VHS format runs 67 minutes total.</b></p>
Cat	Model	<p>This one-piece, 24" life-size model of a pregnant female cat depicts over 100 individual anatomical details. You can study every major system for a complete overview of cat anatomy, while a cross-sectioned kidney shows the cortex and medulla. Students will be able to trace major arteries and veins, the open mouth cavity details the teeth and nasopharynx, an open uterus exposes a developing fetus, and muscle groups of the fore and hind limbs are also seen. Includes a detailed illustration and key card which identifies all features. Grades 6-College.</p>
	CD	<p><b>Dissection Works Cat Works.</b> A highly interactive computer simulation allows the student to digitally dissect the cat. Testing functions allow the instructor to monitor student progress and maintain an electronic record by tracking student performance and progress. Grades 6-College. <b>System Requirements: Mac 7.1 or later; Windows 3.1 or later.</b></p>
	CD	<p><b>NeoTek CatLab.</b> Designed and authored by a team of nationally recognized experts, this 3-dimensional educational tool includes more than 80 dissection slides. Chapters cover external anatomy, skeleton, muscles and internal cavities, as well as nervous, circulatory, respiratory, digestive and male and female reproductive systems. The system comes with easy-to install connectors for the liquid crystal display glasses necessary for 3-D viewing. Grades: 9-College. <b>System Requirements: Windows 95 or later.</b></p>
	CD	<p><b>Dissection &amp; Anatomy of the Cat.</b> Demonstrates a complete dissection using an actual specimen. Includes these sections: external anatomy, muscular system, digestive system, respiratory system, circulatory system and uro-genital system. Grades 6- College. <b>VHS format runs 46 minutes.</b></p>





Animal	Medium	Description
Human Anatomy	CD	<b>NeoTek Human Anatomy Lab.</b> Drawing from thousands of 3-dimensional human cadaver images, 250 separate dissections are included. Students can independently use this lab in Tutorial mode, or teachers can use Lecture mode to guide a class through the dissections just as they would in the lab. The system comes with easy-to-install connectors for the liquid crystal display glasses necessary for 3-D viewing. Grades 9--College. <b>System Requirements: Windows 95 or higher and a CRT monitor (No flatscreen.)</b>
	CD	<b>A.D.A.M.</b> Two separate CD-ROMs combine interactive physiology with anatomy for a comprehensive multimedia educational package. Features over 3,600 anatomical structures. Includes a glossary, animation, audio, rotatable 3-D images, print capabilities, internet access and quizzes. Grades 6-College. <b>System Requirements: Mac 7.1 or later; Windows 3.1 or later.</b>
	CD	<b>Body Works.</b> This program lets you study all areas of human anatomy from head to toe, zooming in and out for a complete look. Descriptive narration, text and full-motion video included. Grades 6-12.  <b>System Requirements: Windows 3.1 or higher.</b>
	Model	<b>Zoologik "Maniken" (1/2 model) "Maniken"</b> allows a student to see all the components of the skeletal system, and to build a complete human muscle anatomy in clay. Made by forming clay muscles and attaching them to a precise, specially-made skeletal model, this provides students the opportunity to sense the body itself in motion. One muscle, or the entire anatomy, can be built. Comes complete with skeletal model, clay, tools and written guide. Available as a full skeleton or half skeleton (right side only). Grades 4-12.
	Model	Human Heart. Slightly enlarged, this two-part model gives a realistic representation of the human heart's appearance. The model is sectioned through the chambers to show the bicuspid and tricuspid semilunar valves along with the sigmoid valves. A total of 23 structures are identified. Grades 6-College.



Animal	Medium	Description
<b>Human Anatomy</b>	<b>Model</b>	Six times life-size, this human eye model divides into separate hemispheres with a removable iris/cornea unit, lens and vitreous body. The lucite lens is functional and can be used to form inverted, magnified images just like a real eye. The vitreous body is transparent and features a detailed diagrammatic cross-section of the retina. A manual has 22 unique student activities to choose from. Grades K-College.
	<b>Model</b>	Cast from an actual human brain, this model shows over 75 anatomical details including all of the cranial nerves. Divides into two halves to explore internal anatomical details. Contains a detailed illustration and key card. Grades K-College.
	<b>Relief</b>	Human Digestive System
	<b>Relief</b>	Human Respiratory System
	<b>Relief</b>	Human Circulatory System
	<b>CD</b>	<i>NeoTek Human Heart. Windows</i>
	<b>CD</b>	<i>NeoTek Human Skeleton. Windows</i>

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<b>Rat</b>	<b>Model</b>	<p>The lifelike 6x12x4" model exposes important structural details such as the respiratory, circulatory and intestinal systems. The heart, lungs, liver, stomach and intestines are removable for greater examination. Mounted on a black plastic base, this model comes with an illustrated key card to identify 25 separate anatomical parts. Grades 6-College.</p> <p>Educational &amp; Scientific Products (UK) Life-Size Depiction of Rodent Anatomy. All the important structures are shown in the typical ventral dissection, including the heart, lungs, liver, stomach, and intestines, which can all be removed for closer examination. The life-size, four-piece model is mounted on a base and comes with a key identifying 25 structures. Size: 12"L x 6"W x 4"H.</p>
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Animal	Medium	Description
Rat	<b>Model</b>	<p><b>Microsurgical Developments.</b> The PVC-Rat is developed for pre-med or veterinary level students to master skills in microsurgery. Using the model during training of scientists and animal technicians, the number of live-animals needed will be reduced drastically. It gives the possibility of training approximately 25 different microsurgical techniques (i.e. anastomoses, cannulations, transplantations of vessels and organs).</p> <p>The MD-PVC-Rat comes in a carrying case, together with a video-user-guide, several spare parts and the computer simulation program "Remote" an interactive "patientmonitoring-system", which can be used in combination with the MD-PVC Rat. One can train the skills needed for patient monitoring during several (micro-) surgical techniques. During surgery, anesthesia can be administered; the animals' temperature and breathing can be observed and controlled. When the exercise is finished, the software generates a full report. <b>System Requirements: Windows 95 or higher.</b></p>
	<b>Video</b>	<p><b>Dissection &amp; Anatomy of the Rat.</b> Includes external anatomy as well as all major internal systems. Grades 6-College. <b>VHS format runs 31 minutes.</b></p>
	<b>CD</b>	<p><b>Duncan Software. DryLab CD Rom Rat</b> This outstanding series features high resolution images and videos of actual specimens, including crayfish, earthworms, fetal pigs, frogs, perch, and rats. Students can perform an on-line dissection, or take quizzes/exams customized by the teacher from a database of hundreds of questions in true/false, fill-in-the-blank, multiple choice, and structure identification formats. Interactive on-line dissection...Movie clips of special features or techniques. Random, on-line final exam. High-resolution, reproducible images, Incorporate DryLab images onto your tests, overheads and electronic Presentations. Detailed student tracking...add your own questions or choose from hundreds of built-in-questions and test parameters you control. <b>System Requirements: Windows.</b></p>



Animal	Medium	Description
Rat	CD	<p><b>Thieme Interactive.</b> This software is developed for the veterinary or pre-med student. SimVessel is an interactive CD-ROM demonstrating the physiological behavior of smooth muscle strips from the antrum gastricum and the aorta of the laboratory rat offering: A user-friendly interface; A realistic 3D representation of laboratory equipment; All instruments are easily adjusted by a mouse-click; A flexible structure that allows the user to choose the experiments sequence; Complex mathematical algorithms which compute the result of each experiment according to user-defined parameters; Vivid simulations of the properties of each tested tissue; Comprehensive on-line help; A detailed user manual and a tutorial for inexperienced users. SimVessel is the optimal introduction to real laboratory work. It promotes practice-oriented learning and is a powerful teaching tool! <b>System requirements: Windows or Mac.</b></p>
	CD	<p><b>Wadsworth Publishing.</b> Pro Version of the famous Sniffy software simulates a wide range of learning phenomena that are typically discussed in courses on the Psychology of Learning. Sniffy, a realistic digital rat in an operant chamber (Skinner Box), gives students hands-on experience setting up and conducting experiments that demonstrate most of the major phenomena of operant and classical conditioning. Users begin by training Sniffy to press a bar to obtain food and progress to studies of complex learning phenomena. In addition, a series of "Mind Windows" enable students to visualize how Sniffy's experiences in the Skinner Box produce the psychological changes that their textbooks discuss in connection with the phenomena simulated. The Sniffy, Pro Version CD-ROM comes packaged in the front of a brief Lab Manual that walk users through the steps that they need to follow to set up a wide variety of operant and classical conditioning experiments that closely resemble experiments discussed in learning texts. <b>System Requirements: Windows 95&amp;98/MAC OS 7.5 or higher</b></p>
Shark	Model	<p>Mounted on its own stand, this 9x9x14" model depicts a dissection of the anterior portion (from pectoral fins forward) showing major details of the circulatory system. Ventral and dorsal dissections show the major blood vessels of the regions. Comes with an illustrated key guide depicting 48 separate parts of the shark's anatomy and circulatory system. Grades K-College.</p>





Animal	Medium	Description
Shark	Model	<p><b>Ward's Natural Science.</b> Cast from a real specimen, the model features a pup with yolk sac in the uterus. This life-size dissection model provides an exceedingly realistic representation of shark anatomy. It also shows the mouth and pharynx; a dorsal view of the eyes, brain, and cranial nerves; bronchial circulation; a ventral view of the viscera and circulatory vasculature, and the trunk musculature in lateral and cross-sectional views. Each model is made from unbreakable materials and is painted by hand to ensure the finest detail possible. Key identifying 100 structures &amp; two labeling charts included. Size: 19 1/2"L x 7 1/2"W x 3"H.</p>
	Model	<p><b>Smithsonian Institution.</b> Using this unique kit, your students can study the anatomy of the shark—without the need for an actual specimen! They'll mold their own realistic shark models in just fifteen minutes using the easy-to-use materials included. Each of the dissectible synthetic specimens features detailed, thirteen-piece plastic skeletal and organ systems. Includes plastic dissection equipment, and comprehensive, fully illustrated teacher and student guides with step-by-step instructions, activities and detailed reference information.</p>
	Software	<p><b>Anatomy of a Shark.</b> Focusing the student's attention on the anatomical systems of the shark, particularly the external body parts, skeleton and internal organs, this program emphasizes learning the names of body parts and their functions. The goal is for the student to completely understand the various anatomical systems and how they work together to enable the shark to survive. Anatomical drawings, text and graphics are interactively related in various aspects of the program, which uses the dogfish shark as its model. Includes vocabulary of marine biology, true/false quizzes and a teacher's guide with student worksheets. Grades 6--12. <b>System Requirements: Available on 3 1/2" disk only. Mac 7.1 or later; Windows 3.1 or later.</b></p>





Animal	Medium	Description
Shark	CD	<p><b>Ventura Educational Systems.</b> This Middle to High School Level Marine Life Series is a comprehensive introduction to comparative anatomy, which includes a variety of instructional tools. The CD-Rom contains four separate programs: Marine Invertebrates, Life Cycle of a Sea Lamprey, Anatomy of a Shark, and Anatomy of a Fish. This series of programs enables students to compare and contrast anatomical structures and biological functions and learn in detail how these fascinating creatures survive. Biology teachers will find that it is easy to focus the attention of students on learning the names of the structures as well as the related life-supporting functions of these structures using this interactive CD-ROM. Includes a teacher's guide with blackline masters of activity sheets. Each lesson ends with a comprehension check, which is designed to measure the student's understanding of the key concepts presented in the lesson.</p>
	Video	<p>Includes examination of the external anatomy and skin, incision, mouth cavity and identification of internal anatomy. VHS format runs 26 minutes. Grades 6-College. <b>System Requirements: Windows or Mac compatible.</b></p>
Horse	CD	<p><b>UC Davis School of Veterinary Medicine Equine Osteology:</b> An Interactive Atlas of the Thoracic and Pelvic Limbs is an interactive computer program principally designed for teaching the osteology of the equine thoracic and pelvic limbs to first year veterinary students. The program may be used during formal laboratory periods as a reference resource and guide or outside of formal class time as a study and review aid. Equine Osteology: An Interactive Atlas presents full color digital images of the equine appendicular skeleton and a list of structures present in each image. Using a mouse, listed structures may be identified by graphic highlighting. Major articulations of the equine appendicular skeleton are presented and supplemented with digitized radiographic images. Equine Osteology: A Quiz on the Thoracic and Pelvic Limbs, a companion program to Equine Osteology: An Interactive Atlas of the Thoracic and Pelvic Limbs is an interactive computer program principally designed for teaching the osteology of the equine thoracic and pelvic limbs to first year veterinary students. The program may be used during formal laboratory periods as a reference resource and guide or outside of formal class time as a study and review aid. (continued on next page)</p>





Animal	Medium	Description
Horse	CD	(Osteology, continued) <i>Equine Osteology: An Interactive Atlas</i> presents full color digital images of the equine appendicular skeleton and a list of structures present in each image. Using a mouse, listed structures may be identified by graphic highlighting. Major articulations of the equine appendicular skeleton are presented and supplemented with digitized radiographic images. <i>Equine Osteology: A Quiz on the Thoracic and Pelvic Limbs</i> , a companion program to <i>Equine Osteology: An Interactive Atlas</i> allows students to test their proficiency in equine limb osteology. The quiz uses digitized photographic images to randomly generate test questions on various anatomic structures. <b>System Requirements: Mac only.</b>
Dog	CD	<i>UC Davis School of Veterinary Medicine</i> . This is an interactive computer program principally designed for teaching osteology of the canine to first year veterinary students. The program may be used during formal laboratory periods as a reference resource and guide or outside of formal class time as a study and review aid. The program presents full color digital images of the canine skeleton and a list of structures present in each image. Using a mouse, listed structures may be identified by graphic highlighting. Major articulations of the skeleton are presented and supplemented with digitized radiographic images. Selected clinical conditions involving bones and joints are also included. The <i>Canine Osteology Quiz</i> is a companion program which allows users to test their proficiency in canine osteology. The quiz uses digitized photographic images to randomly generate test questions on various anatomic structures. <b>System Requirements: Mac only.</b>
	Model	<b>Rescue Critters K-9 Tube Intubation Trainer.</b> K-9 manikin head mounted on base, realistic airway, representations of trachea, esophagus, and epiglottis present. Has working "lung" to determine correct endotracheal placement with pass/fail feature, has disposable & cleanable parts, and realistic features. Accessories included: Carrying case, endotracheal tube, and syringe. For veterinary or pre-med students.



Animal	Medium	Description
Dog	CD	<b>UC Davis School of Veterinary Medicine.</b> This program was developed to help teach basic veterinary radiographic anatomy to veterinary students and practitioners. There are over 130 canine, feline and equine radiographs with a complete index to facilitate easy reference. The radiographs may be viewed sequentially or in a random manner. Overlays are used to identify important anatomical features of normal anatomy. A selftest quiz is provided with each radiographic view to teach mastery of the material. <b>System Requirements: Mac only.</b>
	CD	<b>Virtual Heart.</b> An interactive CD-ROM for teaching the structure and function of the canine heart, this program contains realistic images of a dissected and non-dissected heart. Users can view the heart from various angles and obtain information about any of the visible structures as well as the internal chambers. Includes digital video of conventional and Doppler ultrasonic scans, waveform tracings, audio of normal and abnormal heart sounds and other features. Grades 6-College. <b>System Requirements: Mac 7.1 or later, 8 MB RAM, 256-color monitor, CD-ROM drive.</b>
Star Fish	Relief	This 16x22" high-relief model depicts a dissected starfish and comes with a key guideprinted directly on the model identifying 12 separate parts of the starfish. Fully colored and lightweight. Grades 5-College.
	CD	<b>BioLab®: Invertebrates</b> contains 4 dissection labs in one CD-ROM: the earthworm, crayfish, starfish, and squid. It thoroughly covers the external and internal anatomy of each invertebrate, showing the method for a "wet" dissection. A virtual minilab provides a valuable survey of the invertebrates, including images and taxonomy—an interactive "Invertebrate Comparison" activity. <b>System Requirements: Windows or Mac.</b>
Perch	Relief	A 16x22" high-relief color model depicts a dissected perch in a large, easy to study format. A printed key guide, covering all major systems of the fish, can be covered for testing and contains 40 identified parts of the perch. Grades 5-College.





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Perch	Relief	A 16x22" high-relief color model depicts a dissected perch in a large, easy to study format. A printed key guide, covering all major systems of the fish, can be covered for testing and contains 40 identified parts of the perch. Grades 5-College.
	CD	<b>Dissection Works Perch.</b> Digitized images of actual specimens allow for electronic dissection of major body systems. <b>System Requirements: Mac 7.x or later; Windows 3.1 or later.</b>
	CD	<b>Neotek Perch.</b> Designed and authored by a team of nationally recognized experts, this 3-dimensional educational tool includes more than 80 dissection slides. Chapters cover external anatomy, skeleton, muscles and internal cavities, as well as nervous, circulatory, respiratory, digestive and male and female reproductive systems. The system comes with easy-to install connectors for the liquid crystal display glasses necessary for 3-D viewing. Grades: 9-College. <b>System Requirements: Windows and a CRT monitor (No flatscreen)</b>
Crayfish	Relief	Color high-relief model depicts a dissected crayfish in a large, easy to study format. Includes a magnified view of the gills, which shows the exchange of carbon dioxide for fresh oxygen. Grades 5-College.
	CD	<b>Dissection Works Crayfish.</b> Digitized images of actual crayfish specimens allow for interactive, on-screen dissection of major body systems. <b>System Requirements: Macintosh system 7.x, Windows 3.1 or later.</b>
	CD	<b>Neotek Crayfish.</b> 3-dimensional educational tool. Chapters cover external anatomy, skeleton, muscles and internal cavities, as well as nervous, circulatory, respiratory, digestive and reproductive systems. Grades: 9-College. <b>System Requirements: Windows and a CRT monitor (No flatscreen)</b>
	CD	<b>Biolab Invertebrates.</b> The student assists in a variety of "real-life" dissection simulations while being given all the necessary pre-lab data, including system functions, structures and location of parts. Clicking on a specific feature will bring detailed information, up-close graphics and video explorations. A post-lab review at the end of each system dissection is included. Grades 6-College. <b>System Requirements: Mac 7.1 or later; IBM compatible with Windows 3.1 or later.</b>





Animal	Medium	Description
<b>Crayfish</b>	<b>Software</b>	<b><i>Anatomy of Invertebrates.</i></b> This educational software teaches students about the basic biological processes that enable these simple animals to survive. Topics include external structures, cross sections and internal structures such as the digestive, circulatory and nervous systems. Self-paced lessons provide the student with overviews, comprehension checks and quizzes in a menu-driven format. Grades 6-12. <b>System Requirements: Mac and IBM 3/12 diskettes.</b>
<b>Grasshopper</b>	<b>Relief</b>	This realistically colored high-relief details a generalized female with the exoskeleton partially cut away to show the organ systems. Mouth parts are separately enlarged and diagrammed. Includes a lesson plan. Grades 5-College.
<b>Sheep</b>	<b>Video (Brain)</b>	A detailed dissection of a sheep brain examines the dura mater, sulci, optic chiasm, pons, fornix, arbor vital and 12 cranial nerves. Grades K-College. <b>VHS format runs 22 minutes.</b>
<b>Cow</b>	<b>Video (Eye)</b>	Detailed examination shows structures including sclera, optic nerve, retina, tapetum, ciliary body and major muscles. Grades K-College.  VHS format runs 16 minutes.
<b>Fruit Fly</b>	<b>CD</b>	<b><i>BioLab Genetics.</i></b> Three labs introduce basic Mendelian Genetics. Each lab has a prelab with three parts: identifying the parents' genotype, building a Punnett Square and predicting the characteristics of the offspring. The experiment will allow the user to breed two parent flies to verify their prediction. The post-lab reinforces the principles of each lab. The Fly Breeder allows users to apply the genetic principles learned in the first three experiments to identify how 26 genetic traits are transmitted. Grades 6-College. <b>System Requirements: Mac 7.x or later; Windows 3.1 or later.</b>





Animal	Medium	Description
Worm	<b>Model</b>	This 7x8x24" fully colored model depicts the anterior portion of the earthworm showing the digestive, circulatory, nervous and reproductive systems. A cross section of the 22nd segment is shown, and comes mounted on its own stand and base. A complete numbered key guide is included. Grades K--College.
	<b>Relief</b>	<b>Hubbard Scientific.</b> This activity set provides you with all the materials you need to experience a thorough look into the structures and functions of the earthworm. Providing a unique cross-sectional view of an earthworm's body, the 46H x 61cmW vinyl earthworm model shows clitellum, complete segmentation and anus, as well as the entire internal system, with the first 20 segments sectioned lengthwise. The support materials, developed by teachers, include step-by-step activity information, notebook with glossary, a descriptive key card, colored overhead transparency and a black-line master. Grades 5—12.
	<b>Model</b>	Lumbricus terrestris, enlarged 25 times, in SOMSO-plast. The model shows the front third of the body; the end that is cut open shows a cross section in relief demonstrating the position of the internal organs. Intestine, blood vessels, cerebral ganglion, nephridia, and parts of the sexual organs are visible. To see the inside of the gizzard, the intestine can be removed. All the sexual organs are visible. The seminal vesicles are removable to show the testes and funnels of sperm ducts. Lifelike coloring adds realism. Separates into three parts. Dimensions: 25H x 53W x 14cmD, Weight: 2.7kg.
	<b>CD</b>	<b>Nebraska Scientific Earthworm.</b> Incorporates full color action video footage of an actual dissection. This program covers the anatomy of the earthworm and details the reproductive, circulatory, digestive and nervous systems. Additional video footage of the earthworm in its natural habitat depicts the circular and longitudinal muscles in action. Depicts hard to see anatomical structures and reinforces details. Has fully interactive student self-testing and review capabilities. Grades 6-College. <b>System Requirements: Mac 7.x or later, Quicktime 2.0; Windows 3.1 or later.</b>



Animal	Medium	Description
Worm	CD	<p><b><i>Anatomy of a Worm.</i></b> An introduction to invertebrate anatomical structures and functions. Interactive learning covers digestion, sensation, control and reproduction. This software combines a variety of instructional techniques in an easy-to-use learning system. First time users can opt to begin with the Identification Game learning terminology and related concepts, or the Quiz Machine, which will challenge the student to match structures and functions within the anatomy of the earthworm. The functions of the digestive and nervous systems are also covered. Grades 6-12. <b>System Requirements: Available on a 3 1/2" disk only. Mac with at least 512K RAM; IBM compatible with at least 512K RAM.</b></p>
	CD	<p><b><i>Dissection Works Worm.</i></b> Digitized images of actual specimens allow for interactive, on-screen dissection of major body systems. <b>System Requirements: Mac 7.x or later; Windows 3.1 or later, 8 MB RAM, 640x480 color monitor, CD-ROM drive.</b></p>

