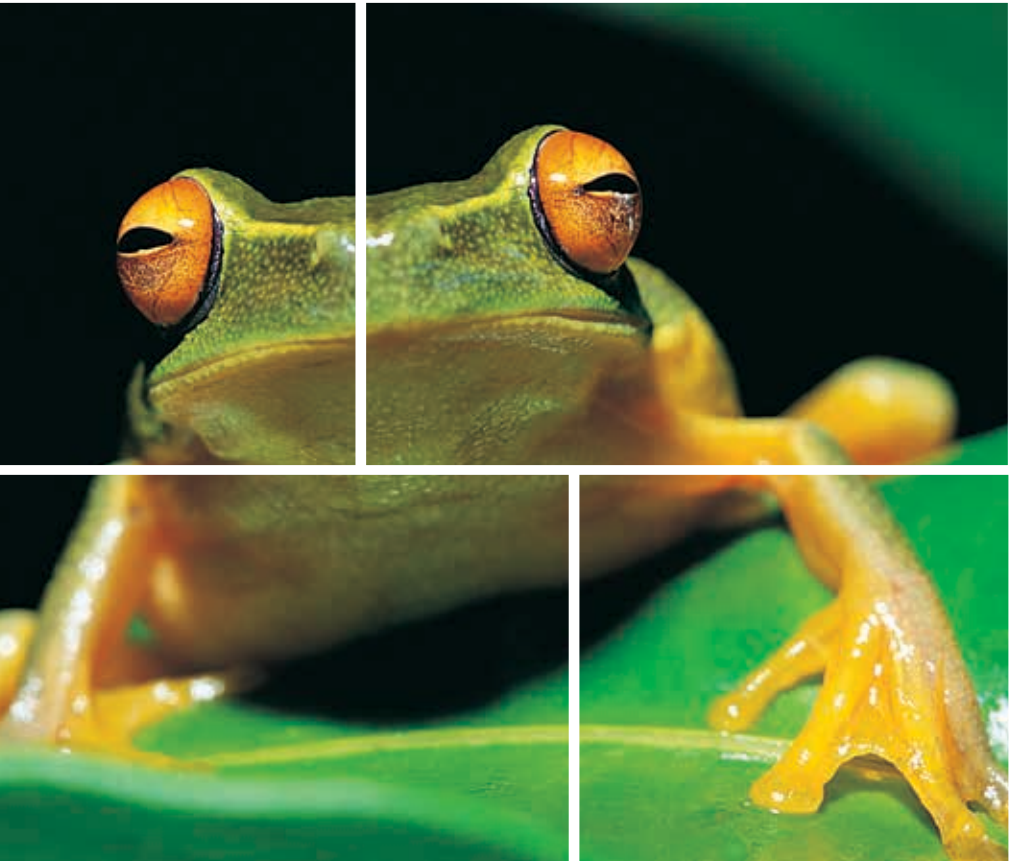


# Cost Comparison Between **Animal Dissection** and **Interactive Anatomy Software**



# Cost Comparison Between **Animal Dissection** and **Interactive Anatomy Software**

For ethical, educational, and economic reasons, students and educators at all levels are increasingly looking to replace classroom animal dissection with humane non-animal methods, such as interactive computer software.

Following is a cost comparison between standard animal dissection and its virtual-dissection counterpart. Five-year costs are based on an average class of 30 students with two students per animal or computer station. Figures were calculated in March 2016 based on advertised costs from developers of the relevant software and Carolina Biological's online catalog.

## Computer-Based Virtual Dissection vs. Frog Dissection

	The Digital Frog 2.5	Punplay Frog Dissection App	Frog Dissection
Student dissection set (includes scissors, forceps, scalpel, needles, pins, ruler, and dropper pipette)	\$0.00	\$0.00	\$172.50 (\$11.50 x 15)
Scalpel blades (box of 100 replacement blades)	\$0.00	\$0.00	\$34.00
Dissecting pan	\$0.00	\$0.00	\$269.25 (\$17.95 x 15)
Gloves	\$0.00	\$0.00	\$53.85 (\$17.95/100 x 3)
Disposable apron	\$0.00	\$0.00	\$63.00 (\$31.50/100 x 2)
Goggles	\$0.00	\$0.00	\$152.70 (\$50.90/10 x 3)
Formalin frog, 3-4", plain	\$0.00	\$0.00	\$236.25 (\$3.15 x 75)
Software for 15 computers	\$224.00	\$44.85	\$0.00
<b>Total cost</b>	<b>\$224.00</b>	<b>\$44.85</b>	<b>\$981.55</b>

## Computer-Based Virtual Dissection vs. Fetal Pig Dissection

	DissectionWorks Fetal Pig	Fetal Pig Dissection
Student dissection set (includes scissors, forceps, scalpel, needles, pins, ruler, and dropper pipette)	\$0.00	\$172.50 (\$11.50 x 15)
Scalpel blades (box of 100 replacement blades)	\$0.00	\$34.00
Dissecting pan	\$0.00	\$269.25 (\$17.95 x 15)
Gloves	\$0.00	\$53.85 (\$17.95/100 x 3)
Disposable apron	\$0.00	\$63.00 (\$31.50/100 x 2)
Goggles	\$0.00	\$152.70 (\$50.90/10 x 3)
Pig, plain, 5-7"	\$0.00	\$1,256.25 (\$16.75 x 75)
Software for 15 computers	\$856.35*	\$0.00
<b>Total cost</b>	<b>\$856.35</b>	<b>\$2,001.55</b>

\*There is an additional cost savings if purchasing the DissectionWorks suite (which includes frog, fetal pig, earthworm, crayfish, and perch modules) instead of purchasing each individually.

## Computer-Based Virtual Dissection vs. Cat Dissection

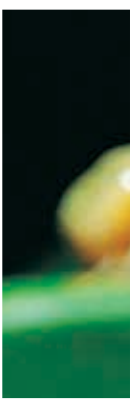
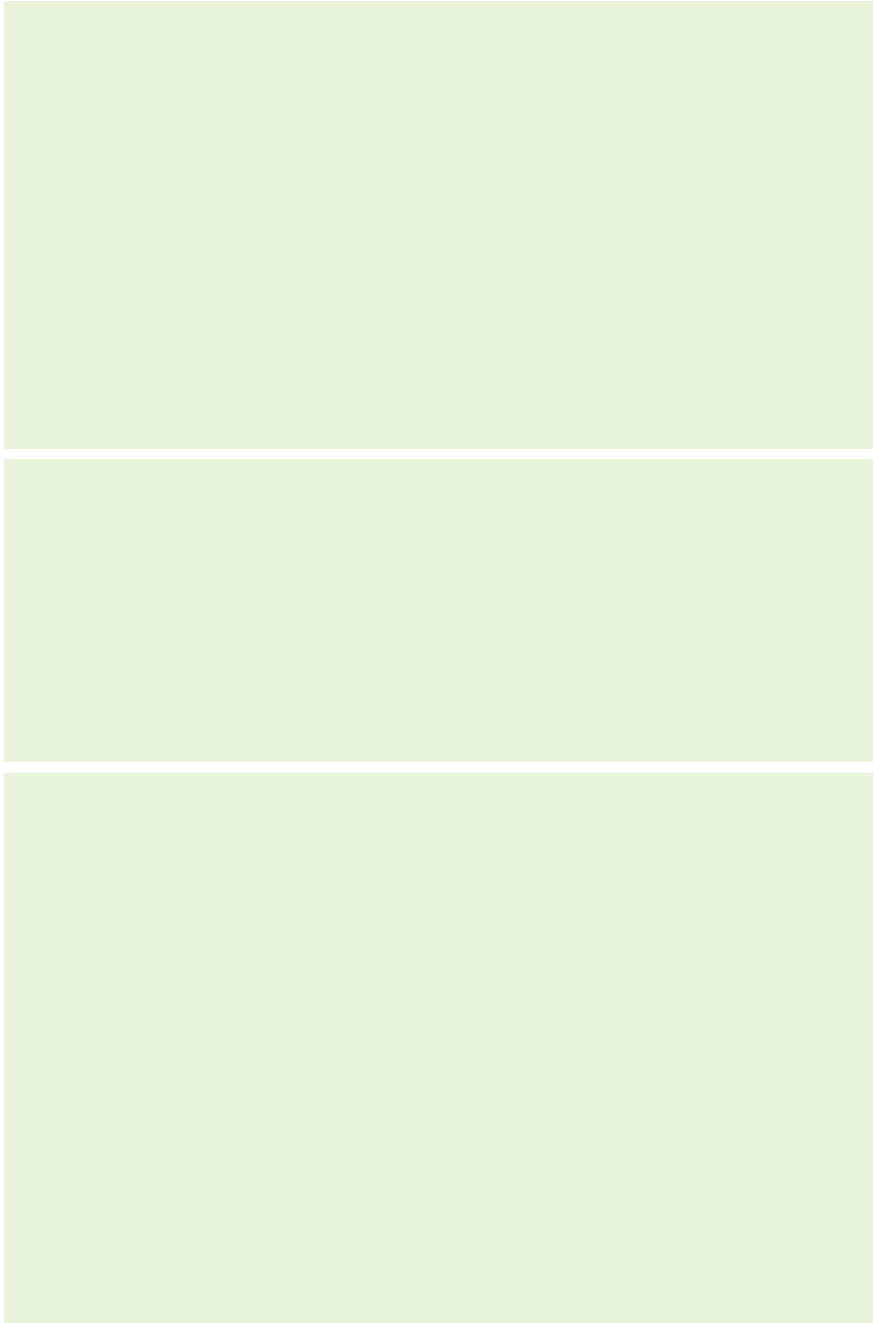
	ScienceWorks CatWorks	Cat Dissection
Student dissection set (includes scissors, forceps, scalpel, needles, pins, ruler, and dropper pipette)	\$0.00	\$172.50 (\$11.50 x 15)
Scalpel blades (box of 100 replacement blades)	\$0.00	\$34.00
Dissecting pan	\$0.00	\$269.25 (\$17.95 x 15)
Gloves	\$0.00	\$53.85 (\$17.95/100 x 3)
Disposable apron	\$0.00	\$63.00 (\$31.50/100 x 2)
Goggles	\$0.00	\$152.70 (\$50.90/10 x 3)
Formalin cat, plain, 14-18"	\$0.00	\$3,450.00 (\$46.00 x 75)
Software for 15 computers	\$838.50	\$0.00
<b>Total cost</b>	<b>\$838.50</b>	<b>\$4,195.30</b>

## Computer-Based Virtual Dissection vs. Rat Dissection

	Punflay Rat Virtual Dissection	Rat Dissection
Student dissection set (includes scissors, forceps, scalpel, needles, pins, ruler, and dropper pipette)	\$0.00	\$172.50 (\$11.50 x 15)
Scalpel blades (box of 100 replacement blades)	\$0.00	\$34.00
Dissecting pan	\$0.00	\$269.25 (\$17.95 x 15)
Gloves	\$0.00	\$53.85 (\$17.95/100 x 3)
Disposable apron	\$0.00	\$63.00 (\$31.50/100 x 2)
Goggles	\$0.00	\$152.70 (\$50.90/10 x 3)
Formalin rat, plain, 7+"	\$0.00	\$693.75 (\$9.25 x 75)
Software for 15 computers	\$59.85	\$0.00
<b>Total cost</b>	<b>\$59.85</b>	<b>\$1,439.05</b>

In addition to the immediate cost savings of software vs. animal dissection, there are ongoing savings because most computer programs need to be purchased only once and may be used indefinitely without additional fees. Most animal laboratory supplies (e.g., disposable personal protective equipment and animal specimens) must be purchased each semester and cannot be reused.

PETA sponsors an educational grant program that donates computers, software, and models to teachers and schools that want to replace animal dissection in their classrooms. You can learn more about this program and view video demonstrations of virtual-dissection software at our website for teachers at **[PETA.org/Dissection](https://peta.org/dissection)**.



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