

Digital Frog 2.5 vs Real Frog Dissection

Issue	The Digital Frog 2.5	Traditional Wet Lab
Prep time per class	Minimal	Variable
Time to accomplish learning	One study suggests learning is accomplished in 44% less time	Variable
Cost of biohazardous waste disposal	None	Variable
Set up costs	\$896.00	Approx. \$300 for 30 dissection kits
Frogs: (class of 30) preserved specimens	None	\$5250 (assuming 15 preserved frogs are used at \$7 each) per lab; 10 labs per year
Consumables: (class of 30) gloves, scalpel blades, etc	None	\$15 - \$25 per lab – 10 labs per year= \$1000
Cost of biohazardous waste disposal	None	\$5 – 10 labs \$50 per year = \$250
Set up time	Minimal	Approx. 25 minutes, with 10-15 minutes clean-up
Repetition	Students can repeat until understood	Not practical in most cases
If student misses a class	Can work anywhere	Too bad!
Text book for anatomy /physiology; with human anatomy comparisons	Integral	Required (and expensive)
New vocabulary and scientific terminology	Integrated context-sensitive dictionary with spoken pronunciations	Dictionary required
Students' right to dissection alternatives	Sensitive to ethical and moral issues concerning dissection; offers an effective alternative	Need to provide different activity for students who object
Safety concerns	None	Sharp instruments and allergies
Learning retention	Studies indicate Digital is more effective than wet labs	
Worksheets and formative assessment quizzes	Included	Teacher must create or purchase separately
Assists in teaching biology as the study of living things	Includes integrated ecology section	Teacher must provide materials
	\$896.00 (Includes Lifetime Licensing for 60 computers - unlimited # of students)	\$6,800.00 (Includes 30 kits & consumables for 300 students for 5 years)

Note: This chart assumes only 30 dissection kits are needed over five years, regardless of the number of students.



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