

### 1: Why You Should Be Using 3-D Paper Dissection Models for Life Science and Biology | The TpT Blog

*We've often used our paper models as a pre-dissection tool to ensure students are thoroughly prepared for the dissection process in lab. We discovered that incorporating these models reduces confusion about how dissect, solidified understanding, and provided a take home tool to study for their lab practical.*

This post originally appeared on the blog *Getting Nerdy with Mel and Gerdy*. What do you do when a student misses an entire week of school, and it just happens to be the week of dissection? What if you homeschool your child and want to give them an authentic experience without having to break the bank on purchasing dissection supplies or finding a program that offers lab experiences? We know how hard it is to always provide those authentic science experiences to your kiddos when time, money, or other reasons prevent that from happening. Then, when time and budgets got tight, we would come in early to pre-dissect specimen for students and use the same ones from class period to class period, simply because it allowed us to give students ample time for the actual exploration rather than a quick glance in the last five minutes of class. Honestly, even those class periods were hectic. It was around our second year together that we started making our paper models, and that changed everything. We could now do a dissection more quickly since students were more familiar and efficient with the organisms we were exploring. Our test scores were also higher on our human anatomy exams, simply because students could relate their experience with the model and dissection to the human body. One of the biggest concerns about dissection is clean-up and disposal. Each year, we DREADED the end of dissection – mainly because we would find bits and pieces of specimen throughout our classrooms, the hallway, and all over the school. There was always that one student who thought it was hysterical to throw organs at other students or pretend to eat them. And while we always tried to include truly authentic dissection explorations in our lessons, we often times used only the models to teach about the worm or the frog. It was nice to stop worrying about chemical smells, biohazard disposal, organs flying into eyes and hair, or the possibility of squeamish students losing their lunch. Our paper models mimic the real thing, right down to the way the organisms are dissected, so our kiddos got an authentic, hands-on experience without the mess. As we mentioned before, paper models are life-saver for small classroom budgets and homeschool parents. For the cost of a single-user license and a few sheets of paper per model, you can have a lifetime of dissections for your kiddos. When we create these, we try to conserve paper as much as possible, so each model template takes anywhere from pages to print – WAAAAY less than the cost of purchasing dissection specimen, gloves, replacement scalpel blades, and other materials each year. They are chemical free and fully recyclable once a student has finished the lesson. The only smell that may emanate from your room is the scent of rubber cement and glue sticks, and a little sweat from all that cutting! To provide a truly authentic comparative anatomy and dissection experience, one that mimics a true exploration, we designed each model to be as anatomically correct as possible and each exploration to follow a real dissection process, down to how the model opens and how the organs and organ system are layered within the organism. We keep the colors of organs and organs systems consistent between the models so that students can really SEE the relationships among the organisms and structures. They solidify understanding of anatomy concepts. Whether they are used as an alternative to real dissection, as a pre-dissection study tool, or as a summative assessment during comparative anatomy studies, our models truly helped our students to understand how organs work with another to create a functioning organism. We discovered that incorporating these models reduces confusion about how dissect, solidified understanding, and provided a take home tool to study for their lab practical. Students who chose not to participate in the actual dissection also received an authentic experience that allowed them to be assessed in the same way as their peers. As mentioned before, we found that introducing the models prior to or inline of dissection actually increased overall understanding which translated into higher test scores in class and on their EOCTs. They are great for interactive notebooks. One thing that we kept in mind when making our models is that we wanted a place for students to keep all of their work. Each model is made to fit into an INB or spiral notebook. This allowed students to carry their models with them without losing specimen pieces or information about organs and their functions and also made them more accountable

## DISSECTION PAPER MODEL FILETYPE pdf

for reviewing the structures before their practical. We also wrote our own detailed and accurate student-friendly reading for each model that covers all of the most observable organs in the organism. Students read over the information and locate the structures and their functions and then populate their key with the correct answers. The numbers on their key align with the color-by-number model template. We recently differentiated our 3-D paper model templates to create opportunities for success for those students with executive functioning deficits by providing both blackline and color versions of our models. Once complete with their keys and cutting out their organism, students assemble their model using the instructions provided and start exploring! We extend the lesson even further by adding several extension questions that might ask things such as the need for surface area in certain organs, or how the organs they observed related to various other organisms, or to fill in a table describing anatomical direction terminology. Anyhow, maybe you can find one to add to your comparative anatomy lessons! We currently have two bundles of dissection models: Any way you slice it, our dissection models are top-notch! Head over to our store and check them out! You can check out all of their goings-on at their blog, [Getting Nerdy with Mel and Gerdy](#).

### 2: Download PDF Frog/paper Frog Dissection File Type Pdf PDF

*Paper dissection models and various other options for dissecting frogs etc. at home without the guts, inhumanity (if that bothers you), and/or mess!*

### 3: Layered Frog - a 'paper dissection' (Cut & Paste Anatomy) - BioTeam Notebook

*Decide Frog Dissection -Part 1 Decide Frog Dissection -Part 2 instruments on the paper towel. Decide who will start the dissection, remember to.*

### 4: Dissection - Biology Notebook

*3-D paper dissection models are mess-free, great for small budgets, and more. These science teachers have models for frogs, worms, and a cow's eye, too!*

### 5: Paper Dissection Models for Life Science and Biology Ideas and Options | Greater Houston Moms

*16) You should have a piece of plastic cut from the paper cornea template. Put this plastic piece flush with the paper strip, as shown in diagram. The paper and plastic should not overlap.*

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