

Specimen Dissection Alternatives

Within the Science Standards, there is no single Performance Expectation (PE) that requires dissection. However, there are Life Science PEs in middle and high school for which specimen dissection is a legitimate curricular choice for engaging students in a three-dimensional learning experience. This resource is intended to provide teachers of these courses with a list of high-quality free alternatives to specimen dissection in the classroom. Districts, schools, and classroom teachers can best gauge the appropriateness of specimen dissection in their district, school, or classroom.

Virtual Dissection

- [Alternative Frog Dissection from BiologyCorner](#): a detailed virtual frog dissection. This can also be a useful supplement for students participating in frog specimen dissection in the classroom.
- [Biodigital Human](#): an interactive platform offering virtual dissection and exploration of human anatomy. You will need to make an account and there may be visit number limitations for free accounts.
- [The Science Bank from AnimalLearn](#): a free lending library of dissection alternatives. You will need to provide financial information to borrow items but should only be charged for non-returned or damaged items.
- [Virtual Brain Dissection from BiologyCorner](#): a detailed virtual sheep brain dissection. This can also be a useful supplement for students participating in brain specimen dissection in the classroom.
- [Virtual Crayfish Dissection from BiologyCorner](#): a detailed virtual crayfish dissection. This can also be a useful supplement for students participating in crayfish specimen dissection in the classroom.
- [Virtual Eye Dissection from BiologyCorner](#): a detailed virtual cow eye dissection. This can also be a useful supplement for students participating in eye specimen dissection in the classroom.
- [Virtual Heart Dissection from BiologyCorner](#): a detailed virtual heart dissection. This can also be a useful supplement for students participating in heart specimen dissection in the classroom.
- [Virtual Pig Dissection from Whitman College](#): a detailed virtual pig dissection. This can also be a useful supplement for students participating in pig specimen dissection in the classroom.
- [Virtual Squid Dissection from BiologyCorner](#): a detailed virtual squid dissection. This can also be a useful supplement for students participating in squid specimen dissection in the classroom.
- [ZygoteBody](#): a detailed virtual anatomy atlas. There may be feature limitations for free access.

Anatomy Apps

- [Complete Anatomy by 3D4Medical](#): a comprehensive anatomy app available on multiple platforms. There may be feature limitations for free access.
- [VisbileBody](#): interactive anatomy models for students. There may be feature limitations for free access.

Interactive Simulations

- [Anatomy Arcade](#): free flash games, interactives, and videos.
- [AnatomyZone](#): video tutorials of various human body systems.
- [HHMI BioInteractive](#): provides free modules and virtual labs, including some related to specific body systems.
- [PhET Interactive Simulations](#): provides free interactive math and science simulations, including some related to specific body systems.

3D Printed Models

For those with access to a 3D printer, [Embodi3D](#), a community for sharing and downloading 3D printable medical models, may be a useful resource.