

# BodyViz Grant Template

This document has been prepared to support potential customers in pursuit of funding for BodyViz. The language within this document has been standardized for use in federal, state, and private grant applications.

## BodyViz Overview

BodyViz simplifies anatomy education for students and instructors with an easy-to-use 3D Anatomy Learning Platform. Rendered from real patient data, BodyViz allows students to virtually dissect, study from, and visualize actual human anatomy in 3D directly on their own computers facilitating virtual cadaver experiences at their fingertips. BodyViz provides both step-by-step active learning modules for exploring anatomy in 3D, as well as review modules for quizzing and self-assessment. The BodyViz Learning Platform creates comprehensive, hands-on anatomical experiences with real anatomy in any location.

## Improving Anatomy Education with 3D Anatomy

Each BodyViz solution is specifically tailored to meet the needs of individual curriculum and course goals, ensuring students and instructors have the required hands-on interaction with dissection resources in order to master anatomy. Unlike virtual dissection tables and cadaver labs that are restricted to the anatomy classroom/lab, BodyViz empowers students with a virtual cadaver lab that can be accessed in any location using computers, tablets, and hardware alike.

The 3D anatomical studies available with BodyViz are generated directly from medical imaging data (MRI/CT Scans), providing students with exposure to real human and veterinary anatomy. Providing students with real anatomy presented in interactive 3D volumes allows them to virtually dissect, peel back layers, and visualize anatomy just as they would in the cadaver lab. The MyBodyViz Library contains over 1,000 3D anatomical studies, empowering students with hundreds of different examples of actual anatomy, visualizing the human body from head to toe.

BodyViz also includes an Interactive Anatomy Content suite, providing students with structured, ready-to-use active learning and review modules. With direct integration in the preferred Learning Management System, students have access to additional learning opportunities with step-by-step instructions to explore and master anatomy from any location.

## Creating an Engaging Learning Environment

BodyViz transforms traditional anatomy classrooms and/or labs into interactive, hands-on learning environments for students. BodyViz provides instructors with active learning resources that can easily integrate into existing environments, advancing traditional anatomy education from a passive experience into an interactive, engaging field of study.

## Increasing Comprehension and Retention of Course Material

BodyViz develops increased comprehension and retention of course material by helping instructors promote hands-on, problem-based learning for students. When exploring the vivid, detailed visualizations with BodyViz software, students' ability to visualize 3D anatomical structures and relationships is significantly enhanced.

## Expanding Access to Anatomical Resources

Unlike traditional anatomy resources, BodyViz provides each and every student unlimited access to virtually dissect and explore real anatomy in 3D. The learning platform scales to meet the student population in anatomy programs regardless of size, ensuring all students have the necessary exposure to hands-on anatomical dissection resources.

## Transferring Skill into the Workplace

BodyViz ensures our students are learning how to utilize anatomy course material in the classroom and in their future workplace. With thousands of examples of real anatomy visualized in 3D, students will leave the classroom with exposure to real life examples of natural variations, pathology, injury, developmental stages and more, prior to setting foot in the work place.

## Easily Updating Classroom Technology

The BodyViz team understands that integrating new technology into anatomy curricula is sometimes a bit daunting. The BodyViz learning platform uses technology that students and instructors will already be familiar with, ensuring a smooth integration process within the anatomy curriculum while making large leaps in the classroom technology.

BodyViz is an excellent supplement to anatomy education for students and instructors at any academic level. Follow the links below to learn more about how BodyViz can be utilized in specific programs of study.

**High School**

**Graduate**

**Career and Technical Education**

**Veterinary Science**

**Undergraduate**

# BodyViz Learning Opportunities

## Lecture

Using BodyViz software, instructors can easily present course material for any number of students at the same time. In a typical curriculum, instructors will showcase 2-3 scans each lecture session, familiarizing students with the individual learning objectives and anatomical concepts at stake.

## Active Learning Sessions

After introducing students to the course material and learning objectives during lecture sessions, students will then transition into the Active Learning Modules. During these sessions, students will work through the virtual dissection and exploration activities independently or in small groups using the step-by-step instructions provided.

## Review Sessions

After exploring the anatomical features in the Active Learning Modules, students can test their knowledge of course material using the Review Modules. These interactive quizzes and self assessment activities can be accessed at any time and in any location, making them a great resource for students when preparing for exams and lab sessions.

# Integrating BodyViz in our Curriculum and Classroom

The BodyViz solution consultants work closely with instructors each step along the way to help ensure that each BodyViz solution meets the unique curriculum objectives, course offerings, and student population. BodyViz solutions consist of a combination of software licenses, interactive anatomy content, and hardware. BodyViz easily integrates with existing AV infrastructure and anatomy curriculum by providing instructors the option of purchasing anywhere from a single license to hundreds of licenses depending on the objectives.

BodyViz can be delivered digitally in a matter of minutes. A typical BodyViz integration consists of Pro Software licenses for each anatomy instructor, while students are equipped with Student Software licenses. The Pro Software license empowers instructors with a content creation tool that can be used to create an unlimited amount of course material for use in lectures, lab manuals, homework for students, etc. The Student License provides students with their very own virtual dissect lab that they can take with them wherever they go.

The BodyViz team has extensive experience in managing the entire implementation process, including solution planning and design, software installation, and customer training. They will closely partner with institutions to manage implementation and follow a time-specific project plan detailing project steps, time-frames, and the responsible parties. After the solution is fully implemented, institutions continue to benefit from high-quality support from

the Success Team. BodyViz believes the best long-term relationships are anchored in the knowledge that they will be there to support each institution and their needs, anytime and anywhere. The Success Team is dedicated to ensuring that all instructors and students are confidently using and taking full advantage of the 3D Anatomy Learning Platform in order to teach and learn anatomy in a more effective manner.

## Frequently Asked Questions

### What is the difference between real vs modeled anatomy software?

Real Human Anatomy is what sets BodyViz apart from the rest. Unlike the computer generated, modeled anatomy applications, BodyViz renders actual patient anatomy into vivid, accurate 3D visualizations. Paired with the MyBodyViz Library containing over 1,000 studies, students can easily and consistently engage themselves with hundreds of real-life examples of natural variations, pathology, injury, developmental stages and more.

### What are the benefits of 3D anatomy software over a virtual dissection table?

Accessibility for students is the biggest differentiator between BodyViz software and virtual dissection tables. Unlike virtual dissection tables, where students are often restricted in their time working hands-on with the program due to the need for sharing, BodyViz provides each and every student with their own dissection platform giving them significantly more hands-on time working with real anatomy. In addition, BodyViz is loaded directly onto student and instructor computers, providing a zero-foot print cadaver lab that they can take with them on the go.

### How is student comprehension/progress monitored?

The BodyViz 3D Anatomy Learning Platform was developed with ease of use in mind for both the students and the instructors. Student comprehension can be assessed in numerous ways depending on the curriculum goals and individual instructor preference. Most commonly, comprehension is assessed using the two following methods:

- Student presentations using the 3D anatomy software, showcasing the course concepts at stake by projecting the screen to the rest of the students and instructor using a secondary monitor or display.
- Uploading individual student/group results from the dissection and exploration activities within the Active Learning Modules.

Student progress is effortlessly monitored directly within the preferred Learning Management System using the structured, ready-to-use Review Modules. Instructors can instantly check-in on the completion of the quizzes and activities within each module. These Modules provide clear direction for students and can be assigned all at once at the beginning of the semester, or individually by chapters when the instructor feels students are ready.

## What does the implementation process look like for a BodyViz Solution?

Throughout the demonstration and proposal phase, BodyViz's team of Solution Consultants will work closely with the key decision makers and instructors to prepare a solution that can easily be adopted within the anatomy curriculum, learning environment, and budget requirements.

Once the products, services, and required hardware (if applicable) have been outlined, BodyViz will assist in identifying the proper sources of funding. BodyViz can be purchased using a variety sources, such as:

- Department budgets
- Grants
- Donors
- Spend-down money
- Student/technology fees

After the purchase order has been submitted and approved, the BodyViz Success Team will closely manage the integration process by following a time-specific project plan, detailing the individual steps, time-frame, and responsible parties. This includes ordering and configuring the necessary hardware required for a successful installation. In addition, the Success Team will support all instructors involved with personalized training sessions, making sure all key instructors are confidently using BodyViz to it's highest potential. Following the successful implementation, institutions will continue to benefit from high quality support.

## How much does BodyViz cost?

Each BodyViz solution is tailored to meet individual course and classroom requirements. Because of this, BodyViz solutions require a solution-based pricing model based on the following configurations:

- Number of students
- Number of instructors
- Number of locations
- Layout of your learning environment
- Desired hardware

BodyViz solutions can range from a single software license for instructor use in a traditional classroom, to a fully immersive virtual anatomy lab with hundreds of software licenses, and everything in between. For more details about what a BodyViz solution would cost for you and your students, [contact us](#) today.

## How does BodyViz qualify for Perkins Funding?

The Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) is a principal source of federal funding to states and discretionary grantees for the improvement of secondary and postsecondary career and technical education programs across the nation. The purpose of the Act is to develop more fully the academic, career, and technical skills of secondary and postsecondary students who elect to enroll in career and technical education programs.

Perkins Grant funding can be used to support the purchase of CTE related equipment, instructional materials, and software licenses to support improved education in Allied Health and Veterinary Science programs, all of which apply to BodyViz.

## Useful Links:

[BodyViz Hardware Specifications](#)

[Find Funding for BodyViz](#)

[BodyViz Case Studies](#)

[Related Research and Sources](#)

[Video and Image Library](#)