



P3D PROGRAMS IN BRIEF

P3D develops award winning educational software, opening unbound teaching possibilities. P3D's programmes are extremely easy to use and totally interactive, allowing to generate personalized and context-specific teaching material. P3D education: the ideal tool at the service of learning.

P3D PROGRAMS MORE IN DETAIL

P3D has been developing its unique approach to educational software since the year 2003, with ongoing collaboration between external educational specialists and the company's software developers and designers. The results are high quality, realistic and totally interactive virtual reality images, which feature precise scientific details and ingenious pedagogical concept solutions. P3D's award-winning programs – having won all prizes at which they have so far been presented, including Barcelona's Innova and the prestigious Worlddidac 2006 Award - offer teachers the needed visual support for his/her oral and written explanation, increasing pupils understanding and memorization, as well as focus, attention and participation.

The programs' main characteristics are:

- a) Ease of use:** they are designed for and by teachers, not by computer programmers. Redesigning traditional teaching tools in a virtual reality context allows for an extremely intuitive and easy use both of its navigation toolbar and of its drawing toolbar.
- b) Total interactivity:** P3D virtual reality images allow total interactivity and infinite navigation possibilities within images.
- c) Non-linearity:** P3D programs do not have any written or spoken associated narrative, allowing teachers to use images according to their own pedagogy. This allows for unbounded, context-specific, uses of all P3D programs.
- d) Comprehensive learning:** P3D programs add visual and kinetic information to oral and written explanations, generating a comprehensive learning environment.

Being thought by teachers for teachers, P3D images include ingenious visual solutions which will make even the most difficult subject easy to understand. As it is said, 'an image is worth a thousand words' and visually beautiful, scientifically precise and pedagogically ingenious images like P3D's even more.

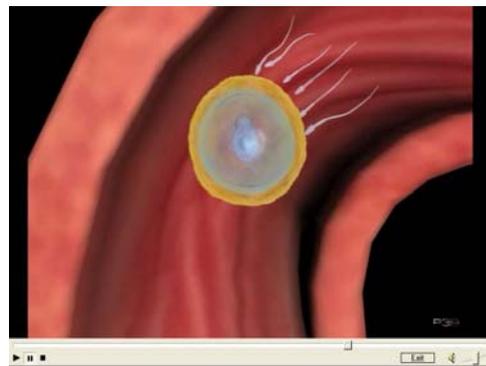
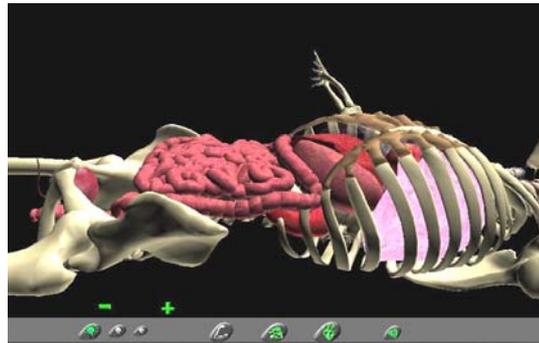
Users can write directly on any image or view, which can then be saved in digital form and edited in order to develop personalized teaching material. It is always the end user who establishes pace, rhythm and content according to each specific learning context and pedagogical targets.

P3D programs enhance and preserve the fundamental human aspect of learning, thereby rising traditional learning techniques to a new level in accordance with the possibilities and needs of our present day 'information society'.

Product description and content Biology 1

Content:

- The human body in virtual reality (organs, skeleton and muscles in three different overlapping layers)
- Human fetal development
- Muscular tissue and working
- Nervous system, neuron and the nervous reflex
- Circulatory system and the heart
- Eye
- Ear
- Teeth
- Skin
- Female and male reproductive system
- The fecundation process
- Urinary System

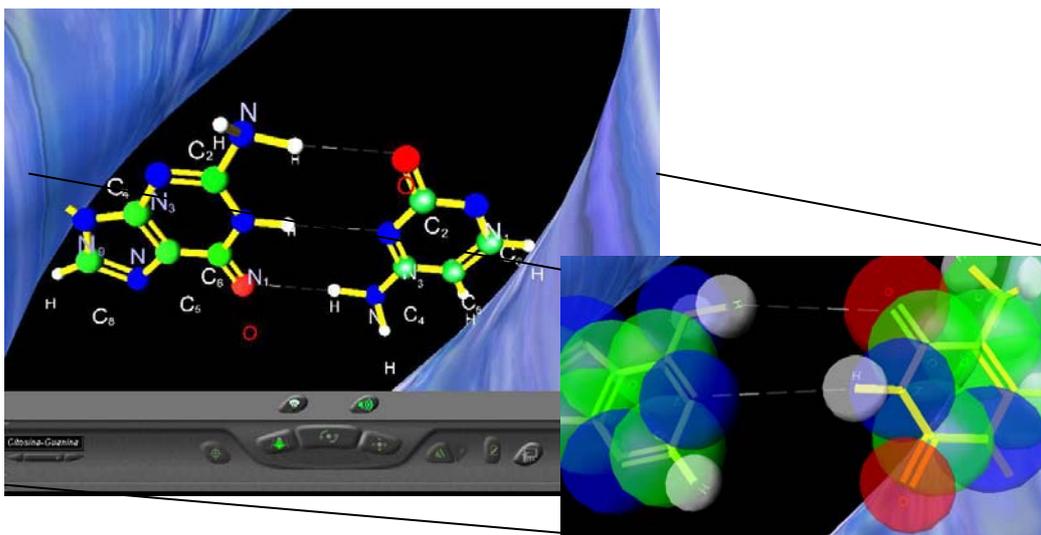
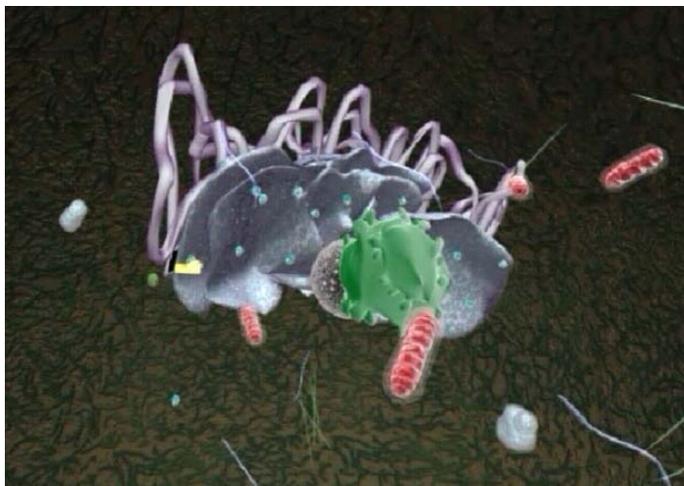


Following P3D's main philosophy of easy-to-use, totally interactive 3D high quality images, our Biology 1 program allows for a fascinating trip through the human body. You can display the human body in a virtual reality 3D image consisting of three independent overlapping layers (muscles, skeleton and internal organs), which may be displayed in any desired combination. You may, for example, enter within the human thorax, add internal organs, describe the kidney or lungs aided by the cross-cut images which help you explain their internal physiology or move directly to the face, showing how different face muscles are placed on the skull. Main organs as skin, heart, eyes, brain as well as the main body systems presented separately in virtual reality images and in dynamic video animations allow, furthermore, studying the human body in an absolutely fascinating, comprehensible and unforgettable way. The ability to write directly on any image or view, which can then be saved in digital form and edited in order to develop personalized teaching material, allows you to adapt P3D programs to each specific learning context and pedagogical targets.

Product description and content Biology 2

Content

- DNA
- DNA duplication,
- Cell
- Mitosis and Meiosis
- Virus and Bacteria
- Immune system



Following P3D's main philosophy of easy-to-use, totally interactive 3D high quality images, our Biology 2 program main focus is microbiology, rendering easy to explain quiet difficult topics as the mitosis and meiosis process (displayed in three simultaneous windows, presenting in a visual form the simultaneity of what happens at the cell level, inside the cell and within its nucleus during the cell-division process) or the different components and process inside an animal cell. The DNA module allows navigating within the double-helix, showing the adenine, thiamine, cytosine and guanine, as well as the nitrogen-hydrogen and oxygen-hydrogen bridges binding them. At one click the molecular structure, chemical composition or molecular relative size is alternatively displayed, allowing for detailed and in-depth explanations. Here too, the ability to write directly on any image or view, which can then be saved in digital form and edited in order to develop personalized teaching material, allows to adapt P3D's programs to any specific learning context and level.

Product Description Geography 1

Content

- Three-dimensional maps in planisphere and in geostationary view, featuring:
 - a) Diurnal satellite image;
 - b) Elevation map;
 - c) Nocturnal satellite image;
 - d) Hydrography;
 - e) Plate tectonics and volcanoes;
 - f) Time-zone maps;
 - g) Global climate and ocean currents;
 - h) Ecology;
 - i) Soils;
 - j) Vegetation
- Cartography
- Solstice, equinox, seasons and yearly daytime/nighttimes
- Solar system in virtual reality
- Gaseous planet formation film

P3D's Geography program, winner of the prestigious 2006 Worlddidac Award, allows for a fascinating exploration of our Earth and our planetary system. Different, totally interactive 3D maps which may be shown alternatively in a geostationary rotating view or as a planisphere projection, allow viewing any part of the world highlighting its geographical characteristics. The 3D characteristics of our images allow to grasp in a visual form as well the mountain's highs, as the sea's depths, while the nocturnal satellite image, for example allows to cover as well topics related to environmental sciences, energy consumption, development patterns or demography. The possibility to easily pass from one map to another allows for unbound teaching possibilities and itineraries, for example showing side-by-side the plate-tectonics & volcanoes map and the elevation map. Different time-zones are easily understood once visualized on the rotating geostationary Earth-map, while the equinox and solstice module – which presents the Earth with the corresponding night-time shadow orbiting around the sun or in an animated map projection showing the zones covered by the day-time sun or the night-time shadow at the different seasons – renders these difficult and abstract topics fascinating, easy to grasp and unforgettable! The cartography module shows the size distortions resulting from a 2D planisphere projection of our three-dimensional Earth, while the planetary system displays all Planets from our solar system, with their respective moons. Planets may be visualized in cross-section too, displaying their inner-layers.

