Trends in 3D Modeling

The demand for cutting-edge technology is constantly growing. With advances in product development, production, and marketing, there are new trends in **computer aided 3D modeling**.

One of the most popular trends continues to be **computer and video game design**. Three-dimensional characters, weaponry, and backdrops can be extremely realistic. Character body movements and functions closely resemble real-life.

Advances in web design have been made possible with the use of **3D modeling techniques**. Savvy business gurus are showcasing 3D models of their products, and even animated features of their design concepts and services. Such features can provide customers with detailed visual design information and usage information.

3D modeling is now commonly utilized in clothing, shoe, and jewelry and accessory design. As opposed to manual sketching, 3D modeling makes the design process faster and easier. Jewelry and clothing designers can avoid the post-production model costs associated with making a physical model. Consumers can often get a very accurate depiction of their product before it goes into production, often saving them money as well.

3D modeling can be used in all aspects of the creative process, from concept and development, to marketing and sales. 3D applications can be used to demonstrate each consecutive process in detail, from beginning to finished product. The accuracy of the process often eliminates waste in production.

3D modeling is widely used in advanced engineering concepts. Computer automated drafting utilizes three-dimensional images to create maps and blueprints of just about any object. House and building plans can be drafted much easier than the traditional hand-drawn technique. Changes and revisions are less tedious and time consuming than before. 3D modeling can realistically represent people, texture, objects, surfaces, and details with a high level of accuracy.

Because of the accuracy of dimension and detail, **3D modeling** is widely used in city, roadway, and railway planning and building processes. It is also used in the research and development of large-scale projects.

Interior, furniture, and landscape designers benefit from the **use of 3D modeling**. The ability to show a prospective customer what their finished project will look like, they have a definitive edge over the competition. The ability to show customers a variety of features is also helpful in helping their customers make design choices.

Automobile makers and designers utilize 3D models to showcase their vehicles, features, and performance. Concept cars, trains, and even airplanes are often presented in three dimensions.

In the business world, 3D modeling is used by many marketing professionals during product and service presentations. It is extremely useful in providing clients with as much visual information as possible.

3D modeling is often used, in lieu of traditional hand-sketches, to create storyboards for movies, film, and commercials. As opposed to a drawing, 3D models can depict movement, mechanics, and interaction, making the entire creative process more fluid.

3D modeling has developed into one of the easiest and quickest ways to design. Trends in 3D modeling and design have ventured into nearly every field of business, and the possibilities will expand well into the future.

Source: http://www.design-training.com/computer-animation/a/trends-in-3d-modeling.html

Vocabulary

cutting edge (adj)
most up-to-date, an advantage over the competition

backdrops (noun):
scenery behind characters

savvy (adj):
competent

animated (adj):
images given an appearance of movement

drafting (noun):
technical drawing

large-scale (adj):
very big

in lieu of (expression):
to replace

features (noun):
characteristics

Questions

Question 1:
What five aspects of 3D modeling are very realistic in computer and video games?

Question 2:
What has made advances in Web design possible?

Question 3:
In what three design areas is 3D modeling often used?

Question 4:
What makes production using 3D modeling more efficient?

Question 5:
What two advantages does 3D modeling provide when making changes and revisions in engineering?

Question 6:
What do automobile makers use 3D models for? Name three of the six mentioned.

Question 7:
In business, what does 3D modeling provide?

Question 8:
What can 3D modeling do that drawing can't? Name four things.

Answers

Answer 1:
1. 3D characters
2. weaponry
3.backdrops
4. characters' body movements
5. functions

Answer 2:
The use of 3D modeling techniques has made this possible.

Answer 3:
1. clothing
2. shoes
3. jewelry and accessories

Answer 4:
The accuracy of the process makes production more efficient.

Answer 5:
1. less tedious
2. less time-consuming

Answer 6:
1. vehicles
2. features
3. performance
4. concept cars
5. trains
6. airplanes

Answer 7:
 It provides as much visual information as possible.

Answer 8:

It depicts

1. movement;

2. mechanics;

3. interaction, and makes

4. a more fluid creative process.