

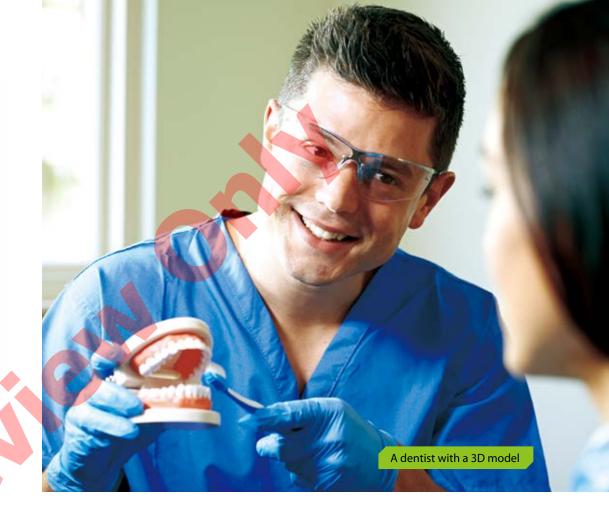
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A 3D model ▶

Have you ever seen a 3D model? You may not realize it, but chances are you have!



A dentist's office usually has a model of human teeth. Dentists use this model to show you how to brush your teeth correctly.

A model of human teeth



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People can see and touch the model. The model shows what the finished object will look like. It also shows what to change to make the design better. Examining a 3D model >

How to Become a Modeler

Most modelers must have a university degree. But modelers interested in different fields may study for different degrees. Some may choose to study design. Others may choose to study architecture. Still others might choose to study science.



Comprehension Questions

- 1. Models _____ like real-life objects.
 - (a) look
 - (b) feel
 - (c) taste
 - (d) smell
- 2. What is an example of a model you would see in a dentist's office?
 - (a) A chair
 - (b) People
 - (c) Teeth
 - (d) A computer
- 3. Modelers need to ...
 - (a) make software programs.
 - (b) know how software programs run.
 - (c) know how to give a CT scan.
 - (d) All of the above
- 4. What can be changed into a 3D digital file?
 - (a) An MRI
 - (b) An x-ray
 - (c) A pencil drawing
 - (d) Both a and b
- 5. What is a quick way to build a 3D model?
 - (a) 3D printing
 - (b) Using wood
 - (c) Shaping and baking clay
 - (d) Melting metal

Glossary



 advancement (n.) the process of helping something to make progress or succeed



 architecture (n.) the art and study of designing buildings



 automate (v.) to use machines and computers instead of people to do a job or task



• biological (adj.) connected with the science of plants and animals



 clay (n.) a type of heavy, sticky earth that becomes hard when it is baked



 complex (adj.) detailed and difficult to understand