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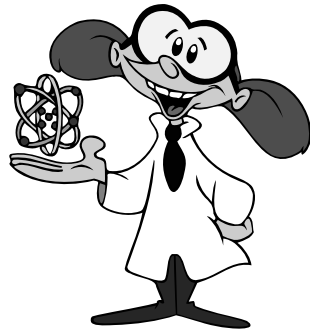
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Welcome to The Universe According to Virgil Reality™

This is science as you've never seen it before. Virgil's universe is bursting at the seams with activities, fun, and cool science. Hold on tight while Virgil Reality and his pals, Cube, Bitz, and Factoid, take you on a breathless voyage through life, the universe, and everything. You never imagined science could be so much fun!



System Requirements

To run *The Universe According to Virgil Reality*, you should have at least the following system configuration:

- 486 33 MHz IBM-compatible computer (66 MHz recommended)
- 8 MB of RAM
- A 256-color display or better
- A Microsoft-compatible mouse or other pointing device
- Double-speed CD-ROM drive

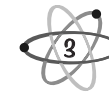
- An MPC-compatible sound card and amplified speakers or headphones
- Windows® 3.1 (or higher) including Windows® 95, and DOS® 3.3 (or higher)

Technical Support

If you have trouble installing or running *The Universe According to Virgil Reality*, please read the Troubleshooting section in this manual before calling Technical Support. By checking the items listed, you may be able to solve any difficulty you are having more quickly on your own.

If you are still having difficulty, call Technical Support at 972-498-8025. Support is available Monday through Friday from 8:00 a.m. to 9:00 p.m. and on Saturday from 8:00 a.m. to 7:00 p.m. Central Time. You also can reach Technical Support via America Online (keyword Seventh) or the Microsoft Network (Go Seventh).

Technical Support also is available via the World Wide Web on the Kids' World web page (www.kidsworld.com). Here you can download the latest technical support information along with demos of current and future products, register your products online, and participate in contests and chats with the celebrities and individuals involved in our products.



Installing *The Universe According to Virgil Reality*

The installation program lets you install *The Universe According to Virgil Reality*. You must have the CD in the CD-ROM drive to run the program.

If the Autoplay feature is turned on, you do not need to run the installation program to install *The Universe According to Virgil Reality*. The first time you insert the CD into the CD-ROM drive, Windows 95 will automatically start the installation program.

Once installed, every time you insert the CD into the CD-ROM drive, the Autoplay feature of Windows 95 will automatically start the program.

To install *The Universe According to Virgil Reality* (if Autoplay is disabled):

1. Start Windows if it is not already running.
2. Insert the CD into the CD-ROM drive.
3. Click the Start button and choose Run.
4. Type **x:\setup.exe** (replace **x** with the letter that represents your CD-ROM drive) and press **Enter**.



5. Choose Yes to install the program. *The Universe According to Virgil Reality* is automatically installed to a Kids' World folder on your hard disk.

Starting *The Universe According to Virgil Reality*

Click the Start button, and then click Programs. Next, click Kids' World, and then click Virgil Reality to start the program. Make sure the CD is in the CD-ROM drive.

Exiting the Program

To exit *The Universe According to Virgil Reality*, press **Alt+F4** or **Shift+Esc**. You can also click Factoid's Exit icon to close the program.

The Universe According to Virgil Reality

Professor Virgil Reality is brilliant, eccentric, funny — and he knows everything there is to know about science. He talks and sings about science in exciting ways that make you want to explore more. Virgil hosts your visit to his universe with the help of his friends, Cube, Bitz, and Factoid.

Cube is a computer filled with information. Cube helps Virgil illustrate and explain topics with photographs, film clips, and additional information. Cube also contains an encyclopedia of science topics. Click



on Cube to access the Encyclopedia and find fascinating facts about more than a thousand topics.

Bitz is Virgil's pet cat, assembled by the professor from "a bit of this cat, and a bit of that cat." An enthusiastic music lover, Bitz plays a mean trumpet.

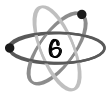
Factoid is Virgil's loyal student from another galaxy. With his collection of icons, Factoid helps you jump to any location in Virgil's universe. You can also use Factoid to get help.

What's in Virgil's Universe?

Follow Virgil, Cube, Bitz, and Factoid through many rooms and scenes to explore, learn, and have fun with science.

- Lab
- Theater
- Encyclopedia
- PrintShop
- Activity Center

Each of these locations offers you a wealth of things to see and do.

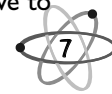


The Lab

Quick! Which bird is the largest? Which cat is the smallest? Which frog is the most poisonous? Find out in the Lab, a multilevel treasure chest of information with interesting icons scattered about. Click on an icon, and Virgil tells you fascinating facts about it. After you've heard about a topic, a new related icon appears in its place. If you want to move to another topic, you can halt Virgil's explanation by pressing the **Spacebar**. Click the right mouse button on the item Virgil is explaining to move to the next topic.

During Virgil's explanation, Cube shows you photos, video clips, and diagrams on a screen or in the center window of the Lab.

To leave the Lab and enter other scenes, select one of Factoid's icons or click on one of several special icons scattered about the Lab. These icons include a Pterodactyl (which offers you a choice of going to the Jurassic or Cretaceous Period), a Microscope (which lets you move to



the Compound Microscope or the Electron Microscope), a Rocket Ship (which takes you to Space), a Trumpet (which lets you hear Virgil sing), and a Junk Drawer (which takes you to the PrintShop).



Theater

Ever seen the Alarm-o-Bed, which dumped its user on the floor, or Driving Goggles with Wipers, for use in rain or sleet? Join Virgil in the Theater and see films, photographs, and cartoons of famous scientists, inventors, and wacky inventions. "And Bingo, bongo!" as Virgil says, "You're going to learn some science."

Encyclopedia

More than a thousand topics are just a mouse click away. Select *The Columbia Encyclopedia*, (Fifth Edition ©1993, Columbia University Press) by clicking on Cube in the Lab or Factoid's Cube icon and the Encyclopedia will open to the topic under discussion in the scene. For example, if a dinosaur is selected, the Encyclopedia will instantly open to the entry "dinosaur." Scrolling text explains the topic in detail.

PrintShop

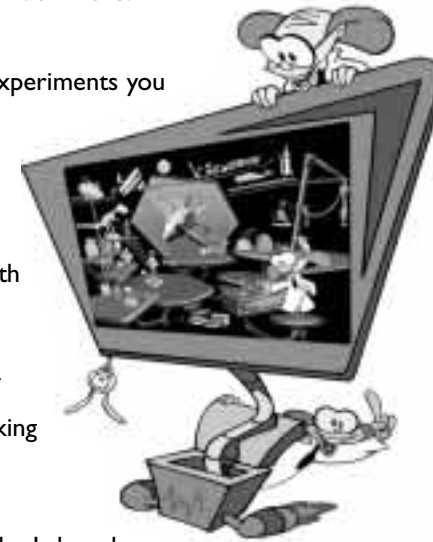
You can choose to print a variety of games, experiments, and activities



such as cards, 3-D earth dioramas, bodies and skeletons, paper airplanes, and much more!

Activity Center

The Activity Center is full of experiments you can perform on-screen. If you click on Factoid's PrintShop icon (or the Junk Drawer in the Lab), you can print the experiments and perform them at home (with adult supervision, of course).

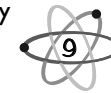


Other Fun Places to Visit

You get to these places by clicking on their icons in the Lab.

Space

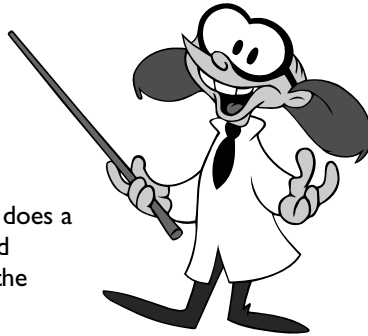
Click the Rocket Ship icon in the Lab and experience the grandeur of space. The star-sprinkled Space scene is full of many man-made objects orbiting around the screen: space stations, Apollo 11, astronauts, the space shuttle, and various satellites. Select any of these objects for a fascinating explanation by Virgil and, in many cases, actual video footage provided by NASA.



Earth

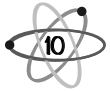
Did you know that Brachiosaurs were as tall as 75 feet and could weigh as much as 80 tons? You wouldn't invite one of them home to dinner, but you can see a Brachiosaur and many other dinosaurs in two periods from earth's prehistory: the Jurassic and the Cretaceous. You reach these periods by moving your cursor over the Pterodactyl in the Lab. Then click the Jurassic or Cretaceous period. Once you have arrived, Factoid has a special icon that allows you to move between the periods.

Although the landscape appears empty, as your cursor passes over certain areas, animals will appear and you will hear their sounds. Click on the animal to hear interesting facts about it and to see it move. Which dinosaur was the largest? Which was the smallest? Which was the hungriest? You'll find out in the Jurassic and Cretaceous.



Microscope

How does a microscope work? What does a paper clip look like under a compound microscope? Move your cursor over the Microscope, then click on Compound



Microscope or Electron Microscope. Once you have arrived, Factoid has a special icon that allows you to move between the Microscopes.

If you choose Compound Microscope, Virgil helps you build a microscope on screen. If you don't want to do it yourself, Virgil assembles the microscope for you. When it's complete, Virgil encourages you to view slides that you can select from a slide drawer. You can view the slides at the three magnifications of 100x, 400x, and 1000x provided by the microscope you have just built. You can choose to view numerous plants, animals, bacteria, protozoa, fiber, or common objects.

Choosing the Electron Microscope displays the Electron Microscope, which works much as the compound microscope and also offers slides for viewing. You can choose to view numerous plants, animals, bacteria, protozoa, viruses or common objects at 1000x magnification.

Shortcut Keys

Use the following shortcut keys to go to other scenes quickly.

Ctrl+A	Activity Center
Ctrl+P	PrintShop
Ctrl+L	Lab
Ctrl+T	Theater
Ctrl+I	Library
Ctrl+M	Microscope (Compound)



Ctrl+E	Microscope (Electron)
Ctrl+S	Space
Ctrl+J	Jurassic (Earth)
Ctrl+C	Cretaceous (Earth)
Ctrl+N	Encyclopedia
Ctrl+B	“Biology” Song
Ctrl+Y	“It Could Be You” song
Ctrl+H	“Everything’s Connected” song
Ctrl+X	Credits



Keyboard Functions

The following keyboard combinations can be used to replace mouse movements for certain activities and functions.

Alt+F4	Exit the program
Shift+ESC	Exit the program
ESC	Exit the program one level at a time
+	Raise the master volume
-	Lower the master volume



Shift +	Raise WAV volume (speech and effects)
Shift -	Lower WAV volume (speech and effects)
Ctrl +	Raise MIDI volume (music)
Ctrl -	Lower MIDI volume (music)
*	Toggle sound on/off
Pause	Pause/Restart the animation
Spacebar	Stops the current animation and skips to the next
Tab and Right Arrow	Next icon (topic)
Shift Tab and Left Arrow	Previous icon
Down Arrow and Right Mouse Click	Next icon in that topic
Up Arrow	Previous icon in that topic
Enter and Left Mouse Click	Start the icon’s scene

Troubleshooting

If you have difficulty installing or running the program, please read the section below before calling our Technical Support phone line. By checking the few items listed below, you may be able to solve any difficulty you are having on your own.



If you are still having difficulty, call Technical Support at 972-498-8025. Support is available Monday - Friday from 8:00 a.m. to 9:00 p.m., and on Saturday from 8:00 a.m. to 7:00 p.m. Central Time. You also can reach Technical Support via America Online (keyword Seventh) or the Microsoft Network (Go Seventh).

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Problem: The program seems to run slowly.

Solution: As with any program running under Windows, the speed and the smoothness of the program is dependent on the speed of the hardware that it is running on. Hardware configurations that affect performance are: the amount of memory and the speed of the video card, the processor type, the amount of real memory and the transfer rate of the CD-ROM drive. You may be able to improve the performance of the program running on your computer by upgrading one or all of these elements of



your computer system, depending on what you already have.

If you are running on a computer with the minimum system requirements, make sure you have a permanent swap file of at least 5 MB set up in Windows.

Problem: When I try to run the program, I get a “Not enough memory” message.

Solution: On an 8 MB system, the program requires 5 to 10 MB of virtual memory. For instructions on setting virtual memory, please consult your Windows documentation. Make sure that there are no other applications open while trying to run the program. Also, check your CD to make sure it is clean and free of any scratches, smudges, or fingerprints.

Problem: The program does not display properly.

Solution: Make sure you have a video card running in 640x480 or 800x600 mode with 256 colors. Also, make sure that you have the proper display driver installed. A display with more colors or running at a higher resolution also will work with *The Universe According to Virgil Reality*.

Problem: The program is working, but I don't hear any sounds.

Solution: Make sure your sound card is installed and working properly. You can check the sound from your sound board



by using the Sound utility in the Control Panel. Choose one of the WAV files in the Windows directory and click Test.

Problem: The sound or video skips during the program.

Solution: Make sure you have at least 8 MB of RAM. Also, make sure that an expanded memory manager (such as EMM386, QEMM or 386MAX) is not reserving memory that Windows and the program will need to run correctly.

Problem: I can't get the MIDI files to play. (I'm not getting any music.)

Solution: Most sound cards are not set up to play MIDI files unless you have a MIDI peripheral device attached to your computer. To set your sound card so that MIDI files will play without a MIDI peripheral device attached, follow the next steps.

To change your MIDI settings under Windows 95:

1. Click the Start Menu.
2. Choose Settings and open the Control Panel.
3. Double click the Multimedia icon and select the MIDI tab.
4. Select the MIDI setup file. (Check your sound card documentation for the correct setup file.)
5. Click the OK button and exit the Control Panel.



Problem: The sound and video are not synchronized properly.

Solution: Make sure that you are running the program on a 486 33 MHz or better IBM-compatible computer with at least 8 MB of RAM. Also, verify that all other programs in Windows are closed.

Problem: The sound breaks up or has a lot of static.

Solution: You may need to change the DMA setting on your sound card. Please check the documentation for your sound card for instructions on how to change the settings. We recommend setting the 16-bit DMA to the same channel as the 8-bit DMA.

Problem: The volume is too low or too high.

Solution: You can adjust the volume using the + and - keys within the program.

Problem: The program seems to run extremely slow.

Solution: Make sure that you have a permanent swap file of at least 5 MB set up in Windows. Please consult your Windows documentation for instructions regarding your swap file settings.



Credits

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George Grayson

Directed By

Dan Kuenster
Scott Page

Producer

Andrew Shepard Price

Voice of "Virgil Reality"

Charles Fleischer

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Hal Harris
Mario Grimani
John Schnurrenberger
Wes Bell
Michael Thenhaus
Larry Spence
Trent Wyatt

Voice of Cube

Barbara House

Voice of Narrator

Michael McConnohie

Technical Director

Sno Ford

Associate Producer

John Wright

Lead Audio Engineer

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Supervising Producer

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Line Producer

Barbara House

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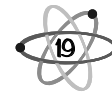
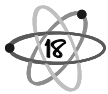
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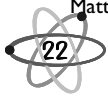
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Music Engineer

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"The Biology Song"**Words and Music by**

Charles Fleischer

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 Scott Page

Lead Vocal

Charles Fleischer

Backup Vocals

Michael Lynch
 Barbara House
 Jeffrey Steefel

Drums

Alvino Bennett

Bass

Welton Gite

Guitar

Carl Verheyen

Keyboards

Jeff Daniel

Trumpet

Jeff Elliot

"Everything's Connected"**Words and Music by**

Charles Fleischer

Music Arranging

Jeff Daniel
 Scott Page

Horn Arrangement

Lee Thornburg

Lead Vocal

Charles Fleischer

Backup Vocals

Janelle Sadler
 Kelly Moneymaker

Drums

Alvino Bennett

Bass

Welton Gite

Guitar

Carl Verheyen

Keyboards

Jeff Daniel

Trumpet

Lee Thornburg
 Steve Madaio

Trombone

Nick Lane

Alto Saxophone

Bill Page



"It Could Be You"

Words and Music by

Charles Fleischer

Music Arranging

Jeff Daniel
Scott Page

Horn Arrangement

Lee Thornburg

Lead Vocal / Harmonica Solo

Charles Fleischer

Backup Vocals

Janelle Sadler
Kelly Moneymaker

Bass

Bob Glaub

Guitar

Kenny Lee Lewis

Keyboards

Jeff Daniel

Trumpet

Lee Thornburg

Alto and Tenor Saxophone

Bill Page

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