

V I S U A L

FADE IN:

IMAGE of a young adult looking up at the night sky

IMAGE of mirage in desert ...

IMAGE of rainbow

IMAGE (or video) of baseball curving in flight ...

NASA IMAGE of space station ...

CG: PHYSICS SC1403A

GRAPHIC: ESC12 and TxVSN logos

CG: In partnership with K12/Aventa Instructional Services.

MONTAGE of words and supporting images suggested by narration

A U D I O

NARRATOR: Do you ever look at the world and wonder about things?

Like why you sometimes see a lake at the end of a highway? ... Or a rainbow at the end of a storm?

Do you wonder what makes a curveball curve? ... Or the space station stay in orbit?

If you have a questing curiosity about the world and how it works, and if you enjoy the challenge of solving problems, then we have the course for you.

Physics: an interactive, online course provided by Educational Service Center Region 12, available through the Texas Virtual School Network.

Physics is the science of the natural world, the study of the structure of the universe in all its aspects -- matter, energy, light, gravity, magnetism, and other forces. As such, it's an integral part of every branch of natural science, including astronomy, chemistry, and biology.

In this course, you'll be introduced to the basic concepts of physics, such as the dynamics of motion.

V I S U A L

MONTAGE OF IMAGES of physicists named and others plus images of contemporary technologies such as lasers, computers, cell phones and tablets, power plants, space-craft, etc.

HOMEPAGE SCREEN: Highlight nav buttons

CG: This course employs the eCollege learning management system.

CG: Syllabus includes course content outline, class policies and procedures.

CG: Other ESC 12 classes follow similar formats.

A U D I O

You'll learn about the history of physics ... from Galileo and Newton to Einstein and Feynman ... and how their discoveries have impacted our everyday lives, through the development of new technologies.

The navigation panel on the course homepage provides links to class information and resources --

For example, the course Syllabus ... teacher contact information ...

... and a Calendar that will help you keep track of assignments and due dates.

The course is organized into units, each dealing with a specific topic. Simply click on the unit heading to access lessons, activities and resources.

Notice the first link -- Raise Your Hand. This is the online version of raising your hand in class when you need assistance or have a question.

Raise Your Hand opens a link to a discussion board, where everyone in the class can see, respond to, and benefit from each other's questions -- just like in a

V I S U A L

SHOW LINK on page and float in representative examples of documents indicated (CLICK on links to obtain samples, as below)

SCREEN CAPS and/or graphics pulled from embedded PowerPoints

SHOW COURSE PAGES + embedded YouTube videos, PowerPoints, concept maps, etc

MARC NOTE: There are no Class Connects currently in the course. However, the links shown in the screen cap below ARE active, so you can grab one for illustration purposes.

CG: Live and archived sessions are accessed through the Class Connect button.

SCREEN CAPS of discussion boards

A U D I O

traditional classroom.

Below Raise Your Hand is a link to supplemental Resources you'll use in the unit, such as the Student Guide, keyword glossary, and reference material.

Next are the lessons. In Unit One, we cover the development of Physics, its influence on society and its contributions to other sciences.

In later units, we'll study such fundamental concepts as speed and velocity ... acceleration and displacement ... mass and inertia ... and more.

Along with the basic study material, each lesson includes links to additional rich content ... including streaming videos, presentations, and concept maps.

Along with independent, self-study assignments, your coursework will include live "Class Connect" lessons conducted by your teacher, online and in real time.

In case you can't attend the live class, don't worry. These sessions are also recorded and available for playback at your convenience.

Throughout the course, you'll frequently interact with

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A U D I O

Show typical interactive online office hours session

SCREEN: Highlight, "click" and expand an example of lab assignment under one of the units

Download: last link under Course Home header

MONTAGE of pages from Problems & Solutions

STOCK IMAGES of interstellar space, earthly phenomena. Include NASA vide (in course) of astronaut on moon dropping feather and hammer.

SHOW SCREEN of TxVSN catalog, with pull-down menus, etc.

your teacher and classmates through the discussion boards. You'll earn credit for responding to posts from your teacher and classmates.

You'll also have plenty of opportunities to discuss topics, get help and personal tutoring during your teacher's online office hours.

And if you're the hands-on type, you'll really enjoy the lab work, which brings these concepts to life.

When you sign up for the class, we'll mail you a kit with the devices you'll need to do the investigations.

You'll also get a hard copy of the "Problems and Solutions" reference manual, which guides your experiments and explains the principles involved.

In the process, you'll also gain an understanding of the basic methods physicists use to measure and report the results of their investigations.

Most importantly, you'll learn that we live in an orderly universe -- a universe which responds in predictable ways to a consistent set of natural laws, yet one that continues to surprise and delight us.

To learn more about this and other Region 12 online

EYECON VIDEO

ESC 12 Provider Video/Physics Demo

V I S U A L

*SHOW STUDENT meeting with counselor
(Eyecon stock)*

GRAPHIC: ESC 12 LOGO

GRAPHIC: TxVSN logo

FADE TO BLACK

A U D I O

courses, consult the Texas Virtual School Network
catalog ... and schedule a time to talk to your
Academic counselor.

Music: Fade up and continue to conclusion.
