

TEACHER GUIDES FOR BILL NYE THE SCIENCE GUY SERIES
1. PROFESSIONAL DEVELOPMENT

BILL NYE - AMPHIBIANS (106754)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600332)

BEING CALLED "COLD BLOODED" IS NO INSULT TO THESE CREATURES! THE SCIENCE GUY EXPLAINS HOW THESE CREATURES CAN LIVE BOTH ON LAND AND IN WATER, AND THE MYSTERIOUS PROCESS OF METAMORPHOSIS.

1. **Animals - Amphibians** 2. **SCIENCE, ELEMENTARY** 3. **SCI.III.2 Organization Of Living Things**

BILL NYE - ANIMAL LOCOMOTION (106792)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600367)

BILL CHECKS OUT A MILLPEDE WHO WALKS BY COORDINATING THE MOVEMENT OF ITS 200 FEET, AND OTHER CREATURES WHO MOVE AROUND WITHOUT A LEG TO STAND ON.

1. **Animals - Insects** 2. **SCIENCE, ELEMENTARY** 3. **SCI.III.2 Organization Of Living Things**

BILL NYE - ARCHAEOLOGY (106794)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600354)

BILL DIGS INTO THE FASCINATION SCIENCE OF ARCHAEOLOGY, THE STUDY OF THOSE WHO LIVED BEFORE US. PLUS, "HOME IMPROVEMENT'S" RICHARD KARN CHECKS OUT SOME ANCIENT "TOOL TIME" - STYLE ARTIFACTS.

1. **SCIENCE, PHYSICAL - ARCHEOLOGY** 2. **SCIENCE, ELEMENTARY** 3. **SCI.V.1 Geosphere**

BILL NYE - ARCHITECTURE (107090)

VIDEO, Grade Level: K-2, 3-5, 6-8, 9-12, 30 min., DISNEY, 2000
DVD (600378)

BILL USES THE "DOLLHOUSE OF SCIENCE" TO DEMONSTRATE HOW ARCHITECTS DESIGN BUILDINGS. THEN HE TRAVELS TO JAPAN TO LEARN HOW PAGODAS ARE BUILT TO WITHSTAND EARTHQUAKES.

1. **SCIENCE, ELEMENTARY** 2. **General** 3. **ART.I.5 Connecting To Other Arts/Disciplines & Life** 4. **SCIENCE - GENERAL MATERIALS/ HISTORY** 5. **SCI.I.1 Constructing New Scientific Knowledge**

BILL NYE - ATMOSPHERE (106725)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600380)

THERE'S SOMETHING IN THE AIR AS BILL NYE THE SCIENCE GUY TALKS ABOUT ATMOSPHERE AND HOW IT PROTECTS THE EARTH. BILL SOARS INTO THE HEAVY TOPIC MATTER OF ATMOSPHERIC AIR PRESSURE AND RADIO WAVES.

1. **SCIENCE, PHYSICAL - METEOR/WEATHER/CLIM** 2. **SCI.V.3 Atmosphere & Weather** 3. **Air & Atmosphere**

BILL NYE - ATOMS (106763)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600355)

WHAT'S THE "BIG" DEAL ABOUT ATOMS? THEY'RE TOO SMALL TO SEE WITH OUR EYES, SO WHAT GOOD ARE THEY? BILL NYE EXPLAINS HOW ATOMS COMBINE TO FORM MOLECULES IN THIS FASCINATION PROGRAM.

1. **SCIENCE, PHYSICAL - CHEMISTRY** 2. **SCIENCE, ELEMENTARY** 3. **SCI.IV.2 Changes In Matter**

BILL NYE - BALANCE (106721)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600356)

BILL NYE'S THE CENTER OF ATTENTION WHEN HE TALKS ABOUT THE CENTER OF GRAVITY AND ITS EFFECT ON BALANCE.

1. **SCIENCE, ELEMENTARY** 2. **SCIENCE, PHYSICAL - METEOR./ WEATHER/CLIM** 3. **SCI.V.3 Atmosphere & Weather**

BILL NYE - BIODIVERSITY (106778)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600419)

IN ANY GIVEN ENVIRONMENT THERE ARE HUNDREDS OF VARIETIES OF PLANTS AND ANIMALS LIVING TOGETHER, CREATING ECOSYSTEMS. BILL NYE LITERALLY SETS UP OFFICE IN AN OCEAN, FOREST, AND FIELD TO COMMUNE WITH NATURE AND SHOW WHAT HAPPENS WHEN ONE LINK FALLS OUT OF NATURE'S CHAIN.

1. **SCIENCE, NATURAL - ECOLOGY** 2. **SCIENCE, ELEMENTARY** 3. **SCI.III.5 Ecosystems**

BILL NYE - BIRDS (106799)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600371)

FLY THE COOP WITH BILL NYE THE SCIENCE GUY AS HE EXPLORES HIS FASCINATION WITH BIRDS. BILL SHOWS US HOW THESE FEATHERY FRIENDS STAY AIRBORNE, WHERE THEY LIVE, AND WHAT THEY EAT.

1. **Animals - Birds** 2. **SCIENCE, ELEMENTARY**

BILL NYE - BLOOD AND CIRCULATION (106808)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600357)

In "Blood & Circulation," Bill Nye becomes a real heart-throb when he talks about the not-so-wimpy organ, the heart. Valves, blood cells and the circulatory system work together to pump it up-- the heart that is.

1. **Heart/Circulation** 2. **SCI.III.1 Cells** 3. **SCIENCE, NATURAL - PHYSIOLOGY**

BILL NYE - BONES AND MUSCLES (106735)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600358)

BILL NYE BONES UP ON THE THINGS THAT GIVE THE BODY ITS SHAPE AND MOVEMENT. BILL MUSCLES IN TO FIND OUT ABOUT X-RAYS, THE HEALING OF BROKEN BONES, BONE MARROW, AND THE BODY'S JOINTS.

1. **Bones/Muscle** 2. **SCIENCE, ELEMENTARY** 3. **SCI.III.1 Cells**

BILL NYE - BRAIN (106732)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600420)

IN THIS THOUGHT-PROVOKING EPISODE, BILL SHOWS THAT THE BRAIN DOESN'T ALWAYS CORRECTLY INTERPRET WHAT IT SEES. CHECK OUT BILL NYE FROM A WHOLE NEW ANGLE WHEN HE GETS AN M.R.I. OF HIS BRAIN.

1. **Brain** 2. **SCIENCE, ELEMENTARY** 3. **SCI.III.1 Cells**

BILL NYE - BUOYANCY (106745)

VIDEO, Grade Level: 3-5, 6-8, 9-12, 26 min. , DISNEY, 1999
DVD (600359)

BILL NYE TAKES TO THE SKY IN A HOT AIR BALLOON AND GOES SCUBA DIVING IN THE SEATTLE AQUARIUM TO EXPLAIN WHY OBJECTS LIKE BOATS, HELIUM, AND BALLOONS ARE BUOYANT.

1. **SCIENCE, PHYSICAL - PHYSICS** 2. **SCIENCE, ELEMENTARY** 3. **SCI.IV.1 Matter & Energy**