A COLLEGE OF CHARLESTON SCIENTIST IS GETTING STUDENTS OUT OF THE CLASSROOM...AND ONTO THE OCEAN. AND NOW IT'S NOT JUST COLLEGE STUDENTS WHO ARE GETTING THEIR FEET WET...LITERALLY...IN THIS UNIQUE LEARNING OPPORTUNITY.

IT'S CALLED THE AT SEA PROGRAM. OUR PATRICK HARWOOD TODAY TAKES US ABOARD FOR A LOOK-SEE...

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Supers:
- Old Navy Base
- Lesley Sautter/ C of C Biology Professor
- Patrick Harwood/Stand Up
- Lisa Norman/Ashley Hall School
- Patrick Harwood/Standard Out
IT’S NOT YOUR NORMAL CLASSROOM…but several times a year, the 133-foot Ferrell becomes just that. And today is one of those days.

Aboard the National Oceanic Atmospheric Administration research vessel…class is in session.

It’s part of what’s called the AT Sea program. This was started six years ago by College of Charleston geology professor Leslie Sautter.

The assignment is for students to experience what
IT'S LIKE TO BE A SCIENTIST ON A RESEARCH MISSION.

SOT: LESLIE SAUTTER (talking to students) :23

IN: RESEARCH GETS FUNDED
OUT: YOU HAVE AT SEA

THE AT SEA PROGRAM WAS SET UP FOR COLLEGE STUDENTS BUT SAUTTER RECENTLY OPENED IT TO HIGH SCHOOLS. ON THIS CRUISE A DOZEN ASHLEY HALL STUDENTS AND THEIR SCIENCE TEACHER ARE ABOARD.

SEVERAL C-OF-C UNDERGRADUATE AND GRADUATE SCIENCE STUDENTS ARE ALSO PARTICIPATING.

AS THE FERRELL GETS UNDERWAY FROM ITS DOCK AT THE OLD CHARLESTON NAVY BASE, THE STUDENTS ARE
BRIEFED ON SAFETY
PRECAUTIONS AND THE VARIOUS
EXPERIMENTS THEY’LL BE
CONDUCTING…FIRST IN THE
COOPER RIVER…THEN THEY’LL
BE OUT IN THE CHARLESTON
HARBOR…AND FINALLY A FEW
MILES OUT IN THE OCEAN.

STAND UP: PATRICK HARWOOD
(15 SECONDS)

SOUNDBITE: LESLIE SAUTTER
(13 SECONDS)

IN: IT IS A LONG PROCESS
OUT: AND THEIR DATA

DONNING HARD
HATS…THE STUDENTS START
WORKING ON THEIR
EXPERIMENTS.

HERE AN INSTRUMENTS IS
DROPPED OVERBOARD TO
MEASURE THE WATER’S SALT LEVELS, TEMPERATURE, AND DEPTH.

NATURAL SOUND (13 SECONDS)
(INSTRUMENT BEING LOWERED)

SOT: ASHLEY HALL STUDENTS (6 SECONDS)
IN: IT’S CALLED WHAT?
OUT: TEMPERATURE AND DEPTH

ANOTHER TEAM USES WHAT’S CALLED A VAN VEEN GRAB SAMPLER THAT’S DRAGGED ON THE BOTTOM OF THE WATER TO COLLECT SEDIMENT SAMPLES.

SOT: STUDENT WITH DEVICE (6 SECONDS)
IN: YOU GOT A LITTLE DIRTY
OUT: HA…HA…HA…
IN ANOTHER TEST... A NET DRAGS ALONG THE WATER’S SURFACE COLLECTING PLANKTON WHICH IS A SMALL FREE-FLOATING MARINE ORGANISM.

ALL SAMPLES, READINGS AND MEASUREMENTS ARE CAREFULLY LABELED AND RECORDED.

NATURAL SOUND: GUY LOOKING AT VILE (3 SECONDS)

BELOW DECK IN THE SHIP’S ON BOARD LABORATORY... THE STUDENTS EXAMINE THEIR FINDINGS... USING MICROSCOPES... SEDIMENT SIFTERS... AND COMPUTER PROGRAMS.
SOT: LOOKING THROUGH MICROSCOPE (8 SECONDS)
IN: WHAT DOES IT LOOK LIKE?
OUT: LOOKS LIKE...HA...HA.

ASHLEY HALL SCIENCE
TEACHER LISA NORMAN IS EXCITED FOR HER STUDENTS...GETTING ALL THIS HANDS-ON EXPERIENCE...

SOT: LISA NORMAN
IN: THE MAIN THING
OUT: GROUP OF PEERS

THE STUDENTS... WHETHER IN HIGH SCHOOL OR COLLEGE... APPRECIATE THIS UNIQUE LEARNING OPPORTUNITY...

SOT: ASHLEY HALL STUDENT (13 SECONDS)
IN: IT’S BEEN REALLY
OUT: LEARNED A LOT

SOT: C-OF-C STUDENT (15 SECONDS)

IN: IT’S ALWAYS INTERESTING
OUT: HANDS ON STUFF

THE AT SEA PROGRAM IS PROPELLED BY GRANTS BY THE SOUTH CAROLINA SEA GRANT CONSORTIUM AND SUPPORT FROM NOAA WHICH ENABLES SAUTTER TO CONDUCT THESE SIMULATED RESEARCH CRUISES SEVERAL TIMES A YEAR.

FOR SAUTTER…THE PROGRAM ALLOWS HER TO COMBINE HER RESEARCH INTERESTS WITH HER PASSION FOR OCEAN SCIENCE EDUCATION.
SOT: LESLIE SAUTTER
(35 SECONDS)
IN: THE GREATEST VALUE
OUT: START TO FINISH

ONCE BACK ON LAND THE
ASHLEY HALL STUDENTS WILL
PARTICIPATE IN TWO DATA
ANALYSIS SESSIONS. THEY’LL
PRESENT THEIR FINDINGS IN A
POWER POINT PRESENTATION TO
GIVEN TO AN AUDIENCE BACK AT
THEIR SCHOOL.

THEIR FINDINGS AND
OBSERVATIONS WILL ALSO BE
POSTED ON THE AT SEA PROJECT
OCEANICA WEB SITE.

ABOARD THE RESEARCH
SHIP FERRELL…THIS IS PATRICK
HARWOOD REPORTING.

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