In our increasingly digital world, it is important to graduate more students majoring in science, technology, engineering and math. Our nation’s competitiveness depends on the genius and dedication of tomorrow’s scientists, engineers, and innovators. Yet today, less than 40 percent of American students pursue STEM fields, and there’s an insufficient pipeline of teachers skilled in those subjects. At Hood College, STEM students are given the hands-on experience and liberal arts training they need to fill 21st-century jobs. And with a $1.45 million grant from the National Science Foundation’s Robert Noyce Teacher Scholarship Program, Hood is empowering future teachers to spread their excitement for STEM.

Hood believes that future teachers in STEM disciplines need real experiences in STEM beyond the classroom. The Noyce STEM Teacher Education Partnership (Hood NSTEP), a collaborative effort led by the College in strategic partnership with Frederick Community College (FCC) and Frederick County Public Schools (FCPS), is making STEM more exciting and more accessible than ever before.

“Students need to be taught by teachers who understand the content and are fully prepared to teach that content,” said Jennifer Cuddapah, Associate Professor of Education at Hood. “Science teachers need to be prepared as scientists and also learn pedagogical strategies for inspiring their students to think like scientists themselves.”
Cuddapah, along with Christopher Stromberg, Associate Professor of Chemistry, and Ann Stewart, Associate Professor and Chair of the Department of Mathematics, worked together to apply for and secure the National Science Foundation funding.

The purpose of the grant is to meet the growing demand for qualified STEM teachers who are skilled in culturally relevant practices and desire to teach in high-needs schools, especially in the Frederick community. The funding enables Hood to provide scholarships, specialized programming, and mentoring to students who complete their biology, chemistry, or mathematics major and teacher certification requirements at the College.

“The idea for designing the different features we proposed came from our collaborative discussions,” Stewart said. “We brainstormed activities and learning experiences we thought would benefit our Hood students as they prepared to become STEM secondary teachers.”

In January, Hood students attended the first STEM 101 event, a multi-day experience comprised of workshops, informational sessions, and field trips led by faculty in the STEM majors, the education department, and the local school system.

Designed for students entering their sophomore year, the program introduces potential NSTEP scholar applicants to educational opportunities in STEM at Hood.

NSTEP scholars will have the opportunity to student teach through Summer Young Scholars at FCPS, a two-week program for identified at-risk youth who demonstrate potential in STEM areas. Student teachers will also be exposed to regional rural, suburban, and city school systems to help them better understand what “high-needs” might mean in different educational contexts.

The Noyce Enrichment Series will host speakers and workshops to engage students and faculty in STEM teaching and cultural proficiency. Hood and FCPS facilitators will discuss topics such as how to develop cultural competence and relate to cultural differences in the classroom, how to bridge the connection between college and teaching in today’s schools, and how to teach in districts challenged by high populations of ELLs (English language-learners). NSTEP scholars will also attend one professional conference in their STEM field and one in education.

“As the science department chair at my school, I know firsthand that it has been a challenge to fill vacant science positions over the past several years, especially in chemistry,” said Patricia M. Crowell ’04, M.S.’08, a biology teacher at Tuscarora High School. “There is most definitely a demand for qualified STEM teacher candidates in Frederick County, and NSTEP is a great program to help meet this demand in the future.”

Because of the strategic partnership, students transferring to Hood from FCC will be given priority in receiving the awards. Perry Wood, Assistant Professor of Physics and Program Manager for Engineering at FCC, serves as the FCC liaison for the NSTEP program.

“FCC has many very talented students who have difficulty paying even the reduced tuition of FCC,” Wood said. “The NSTEP program will provide a means for students who transfer to Hood to complete their bachelor’s degree more quickly and with fewer loans.”

NSTEP graduates will be highly qualified due to their participation in scientific inquiry and STEM problem solving. Because Maryland has certification reciprocity with many other states, graduates of Hood NSTEP will be able to choose teaching positions in high needs school districts in Maryland and beyond.

Riley Smith ’19, one the students who received the first NSTEP scholarships, says her greatest goal is “to change people’s lives.”

“I want to be the teacher that students feel comfortable talking to and being around,” she said. “I want to inspire my students and give them an education to allow them to do what they want to do and be who they want to be.”
St. John's College Student is J.A.M.I.N. in Jamaica

While most St. John's College students spent the end of January bundled up against a mid-winter chill, senior Maggie Dillon traveled to Jamaica for a week with the Khaled bin Sultan Living Oceans Foundation to work on the Jamaican Awareness of Mangroves in Nature (J.A.M.I.N.) program. The program—the result of a partnership between the Annapolis-based Living Oceans Foundation and University of the West Indies’ Discovery Bay Marine Laboratory—is designed to inspire high school students to learn about, protect, and conserve mangroves in Jamaica, an integral part of the country’s ecosystem.

“I’m very grateful for the experience,” she says. “It was exciting because it was my first time going in the field and interacting with the kids and seeing how the program affects them.”

Dillon began interning part-time with the foundation in the fall of 2016, and she continued her experience during the summer of 2017, when she received a Hodson Internship funded by a grant from alumnus Dr. Stephen Forman. She resumed interning part-time at the foundation in the fall of 2017 splitting her time between the foundation’s education and science departments.

Dillon’s duties at the foundation included inputting the names and test scores of students participating in the J.A.M.I.N. program, who were learning about mangrove forests while also growing and monitoring red mangrove propagules.

“The students I worked with are brilliant kids,” Dillon said. “They were really dedicated and super interested in the program.”

Notre Dame of Maryland University Student Studies Abroad in Peru

Notre Dame of Maryland University provides opportunities that can change lives, influencing career paths in unexpected ways. For Victoria Cox, a criminology major with a double minor in Spanish and forensic psychology, that opportunity was part of a study abroad program.

Cox recently returned from a six-week study abroad trip to Peru where she spent her time teaching English to children while increasing her fluency in Spanish. “[The people in] Canto Grande, were so welcoming. It was extremely heartwarming how much not only the Sisters that we lived with, but the members of the church were willing to give in order to ensure our comfort during our stay,” said Cox.

In addition to teaching English, as part of the service abroad trip she participated in community service six days a week, helping children with homework and English. Though teaching English may not seem related to criminology, Cox is looking to adapt those lessons and apply them to what she hopes is a future career with the government.

“All in all, this was the most amazing experience of my life,” said Cox.
Washington Adventist University’s (WAU) Honors College students regularly have the opportunity to study in the United Kingdom as part of a collaboration with Newbold College, WAU’s sister institution near London. Each May, a select group of students “cross the pond” to complete two hybrid courses addressing topics in British history and culture.

On a recent trip, the students “brushed up their Shakespeare” through play performances and visits to historic sites such as Shakespeare’s birthplace in Stratford-Upon-Avon. Prior to learning on location in England, the students took advantage of timely performances and exhibits in D.C. by attending three productions of “A Midsummer Night’s Dream” — one at the Folger Shakespeare Theatre and two in London at the Globe and Barbican theatres. Watching multiple productions of the same play allowed the students to form more in-depth interpretations of its text.

Each student also performed for an examiner from the Royal Academy of Dramatic Art (RADA) and earned the Academy’s Shakespeare Bronze Award. Performing for RADA not only allowed students “to become familiar with the text in a way that a traditional literature class would not have,” said then sophomore Alexandra Engelkemier, but “it also allowed for academic growth in public speaking and insights into modern interpretations of Shakespeare’s writings.”

Courses like these further the WAU Honors College’s mission to cultivate students’ cultural literacy while providing them transferable skills they can apply to a variety of future workplaces.

Frederick Community College (FCC) and Mount St. Mary’s University (MSMU) have announced a new agreement to provide FCC graduates a tuition reduction for programs at the MSMU Frederick Campus beginning in fall 2018.

Under the memorandum of understanding, FCC graduates will receive 20 percent off their tuition for the following undergraduate programs held at the MSMU Frederick Campus and through Graduate, Continuing, and Professional Studies: business administration, criminal justice, accounting, and human services. FCC currently has articulation agreements for many programs offered at the MSMU main campus, including psychology, biology, cybersecurity, fine arts/music, philosophy, theology, communications, history, criminal justice, political science, and English.

“Mount St. Mary’s University has proudly served adult students in the Frederick community for almost 20 years,” said Carol Z. Rinkoff, Ph.D., MSMU’s Dean of Graduate, Continuing and Professional Studies. “We are honored to offer tuition reduction to successful FCC graduates who wish to continue their academic journey with a bachelor’s degree at the Mount.”

MSMU will accept up to 75 total credits from FCC students upon transfer. MSMU provides suggested transfer course guides for all of its Frederick Campus programs to help students with course selection. The agreement also allows a student to receive the same reduced tuition rate for any future graduate degree enrollment if the student enrolls in the graduate program directly after completing an undergraduate degree program.

“Both our institutions prioritize quality education and this new agreement allows FCC graduates to complete their undergraduate degree while staying in Frederick,” FCC President Elizabeth Burmaster said.
Sabrina Jenkins, a biology major at Washington College, has wanted to be a pediatrician since she was a little girl. The oldest of three children, Jenkins grew up caring for her younger siblings and for the children of her neighbor, a pediatrician whom she shadowed in his Annapolis practice.

This summer, the 20-year-old premedical student with minors in chemistry and Asian studies will take another step closer to her goal, with an internship in the pediatric cardiology unit at Children’s National Medical Center in Washington, D.C. After rotating through various departments, she can opt to shadow doctors in surgery, work in the cath lab, or immerse herself in the details of policy and procedure in the business or human resources departments.

Jenkins has already familiarized herself with fast-paced emergency medicine by volunteering in the pediatric Emergency Department at Anne Arundel Medical Center and at the ER in Chestertown and is looking forward to better understanding aspects of a medical specialty.

While her commitment to pediatric medicine has never wavered, Jenkins says Washington College provided her a much broader experience. In addition to playing varsity field hockey, Jenkins serves as executive chair of the Relay for Life, a fundraiser for the American Cancer Society, and is a member of Caring for Kids, a service club that sends volunteers to duPont Hospital for Children. In December, she spent three weeks in Taiwan, taking classes, exploring the city, and practicing her Chinese.

Loyola University Maryland's Unique Approach Helps Students Land Internships

Back in late September Colin Chandler met a Loyola University Maryland graduate, Thomas Graff, through Loyola’s Career Center. Graff told him about Brown Advisory, and Chandler—a junior finance major—started considering the advantages of interning for the firm.

He applied to Brown Advisory’s Summer Analyst program through Handshake, the networking tool Loyola’s Career Center uses to connect students with employers nationwide; interviewed with the firm; and received an internship offer.

“I see it as a great opportunity for me to soak as much knowledge as I can from the employees at Brown Advisory,” Chandler said. “I am really interested in learning how Brown Advisory and their employees generate investment ideas and the processes that they take to support their clients’ needs.”

The Career Center offers a Jesuit lens to the career search process, helping students view their journey in a four-phase cycle: self-discovery, exploration, preparation, and active pursuit—and internships can be a critical part of that cycle.

“Students are looking for something that is beyond photocopying and envelope stuffing. They really want real-world experience, and they want it in their career field,” said Associate Director of Career Connections, Eileen Simonson Hiebler. “I always say to them, ‘You might not get your dream experience, but you have no idea what this might lead to.’”
Mount St. Mary’s Students to Traverse the Globe for Prestigious Internships

Mount St. Mary’s University (MSMU) students will travel hundreds or even thousands of miles from campus this summer as they extend their classroom learning by gaining practical experience in their chosen fields. Several have been selected for notable internships.

The number of Mount students who take advantage of internship opportunities during their college years is growing, with 71 percent of the Class of 2017 completing an internship or field placement before graduation. Because employers look favorably on prior experience, even among new graduates, this figure will continue to rise over the next several years, said Clare Tauriello, Director of the MSMU Career Center.

Summer internships offer the advantage of dedicated time to the internship without competing coursework or requiring more than four years to graduate. The following students have been chosen for highly competitive internships this summer:

- **Erik Menjivar, C’21**, an environmental science major, will be an intern at the University of Lyon in France, doing research in photocatalysis.
- **Veronica Balick, C’20**, a biology and biochemistry major, will be conducting research on leukemia during an internship at St. Jude Children’s Research Hospital.
- **Cameron O’Malley, C’19**, an education major, secured an internship in the educational programs of the Carter Center in Atlanta.
- **Lesly Alvarez, C’19**, an international studies major, will delve into international relations work in her internship at the Embassy of Panama.

Goucher College Launches the "Goucher Advantage"

Goucher College recently launched the “Goucher Advantage,” a new program from the College’s Career Education Office (CEO) that makes career education a central element of each student’s experience through the curriculum, mentoring, and professional experience. Beginning the first semester and continuing throughout the four years, this model provides students with the tools to embark confidently on their career path.

Offering hands-on experience and learning opportunities for every student, the Goucher Advantage lets students develop their own career pathway by participating in core and customized elements. The program encourages students to think intentionally about their future and emphasizes self-exploration, internships, career communities, and mentorship to help them become career-ready at graduation. Throughout the process, career education is also integrated directly into the overall curriculum and includes creating a resume, writing a cover letter, planning job search strategies, and developing an ePortfolio to collect and synthesize information identified throughout the program.

The new model will centralize the CEO with the Office of International Studies and the Office of Community Based Learning to better allow students greater access to explore what options are available and how best to pursue their interests in an integrative way. The goal of the Goucher Advantage is to provide students with the framework to develop their career plans, a community to support them along their journey, and the skills needed to embark on careers filled with meaning and purpose.
Atticus Rice, a **McDaniel College** junior double major in political science and communication, has been named a 2018 Newman Civic Fellow after a nomination from McDaniel President, Roger Casey. As one of 268 student leaders recognized nationwide by Campus Compact, Rice will have access to a national conference of Newman Civic Fellows, exclusive scholarships, and post-graduate opportunities.

“Atticus serves his community with the utmost investment on campus and has increasingly turned his prodigious energy towards public service, working with local, national and even international partners,” President Casey wrote in his nomination.

Active on campus, Rice is a writer and editor for the **McDaniel Free Press** student newspaper, leads the McDaniel ultimate Frisbee club, is president of the Honors Program, and is co-president of the McDaniel delegation of the Maryland Student Legislature. He has also served on the College’s Honor and Conduct Board and has worked for the Office of Student Engagement.

As the current president of the Alpha Phi Omega (APO) national service fraternity, he has developed partnerships with local food banks, shelters, and youth organizations, as well as national charitable organizations. Rice also worked on community outreach projects in West Virginia as a sophomore; and as a junior, he applied and was awarded a Griswold-Zepp award from the College to organize an alternative spring break experience for APO members. The group volunteered with various nonprofit organizations, including Habitat for Humanity, Carroll County Food Sunday, and Carroll Hospital in Westminster, Maryland.

“My work through these organizations has inspired me to make any future career of mine into one of public service that aligns with the values that volunteerism and community engagement have taught me,” Rice said.

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**MICA Student Reinforces Passion During Internship with Local Studio**

After professors, visiting artists, and the **Maryland Institute College of Art's (MICA)** Career Development Office recommended an internship with Studio Unknown, Madina Nakashima, a senior film and video major, applied to the post-production sound studio in Catonsville, Maryland. Studio Unknown is a post-production sound company that provides services for all post-production sound needs and works on projects ranging from stop motion films to big-budget films to video game sound design. Nakashima was supervised by Matt Davies, partner at the studio who specializes in sound effects editing and foley art, which is a post-production sound technique to create realistic, everyday sounds such as the swishing of clothing.

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During my time at Studio Unknown I sat in on editing sessions, foley sessions, did work around the office, and did client prospecting. During sessions, I would shadow either Matt, Rich, who is a sound editor and foley recordist; or Kevin, who does dialogue and re-recording mixing. Since all three artists work on different aspects of the projects, this gave me a lot of different perspectives and allowed to me to see how collaborative yet independent everyone’s job is. In these sessions, everyone was super helpful and would take the time to explain what they were working on. They also often times asked for my opinion with creative choices on projects and would let me take a turn at the editing table with supervision. On top of editing, I also journeyed outside of the studio and joined Matt and Rich on a sound recording trip at a nature reserve to record environments.

There are so many different jobs in the film industry and I think that Studio Unknown really opened my eyes to the world of post-production sound. Not only did I learn about the technical aspects of the job, but I also learned about working alongside other people and learned to network and form relationships with clients. Overall, my internship with Studio Unknown has taught me so much about the industry and has made me want to be a part of it. I knew beforehand that I was really interested in sound and in film, but after this experience and after seeing all the love and hardwork put into the job, I am certain that I want to continue my growth in this field.
**St. John’s College Students Set Hodson Internship Record**

This summer, St. John’s College student Beimnet Kebede will return to his homeland of Ethiopia, where he’ll intern with Digital Green, an organization that trains rural farmers to use digital technology. Anne Freeman is bound for Washington, D.C. to intern with David M. Schwarz Architects, a prominent architectural firm. Kapil Adhikari will fly to his home country of Nepal and intern for Red Circle Creative Solutions.

Kebede, Freeman, and Adhikari are three of 42 St. John’s students who received Hodson Trust Internships this summer all over the world. A record 76 students applied.

“It feels like a challenging job,” Adhikari says. “It’s uncharted territory, so I’m a little nervous, but I’m very confident.”

The Hodson program, made possible through a grant from the Hodson Trust, provides funding for summer internships for undergraduate students. Students can apply for funding for otherwise unfunded internships or design their own projects, working directly with mentors in their field.

Jaime Dunn, Director of the Office of Career Services, says internships are valuable because they let Johnnies experience possible careers and gain a better understanding of what they may—or may not—want to do in life. Dunn plans to complete site visits for students completing local internships. Her office assists students throughout the process of finding and applying for Hodson Internships, and follows up with them during and after the internships are complete.

Dozens of recipients will work throughout the U.S., including Sean Miller who will complete a local internship in Annapolis with the Anne Arundel County Office of the Public Defender. Students will travel to South Africa, Czech Republic, South Korea, Ethiopia, and Nepal for internships in fields ranging from medicine, politics, and law to art, radio, and theater.

“This is the next step in the journey,” Miller says.

**MICUA Awards Speaker of the House with 2018 Presidents’ Award**

The 2018 Legislative Session of the Maryland General Assembly started in early January and ended on Sine Die, April 9, 2018. The General Assembly acted on more than 3,100 bills, including hundreds of pieces of legislation that impact higher education, in general, or the operations of independent colleges and universities.

The operating and capital budget bills passed with bipartisan support in late March. The Maryland General Assembly voted to fully fund the Sellinger Program at $56.4 million. The legislature also provided $12 million in the State capital budget, to support capital construction and renovation projects at three MICUA member institutions.

**Johns Hopkins University** was awarded a $4 million State grant to support a $45 million renovation and addition to the Anne M. Pinkard Building, which houses the JHU School of Nursing (JHUSON). This project will create the capacity, functionality, and quality of space required for JHUSON’s new graduate-level nursing education model.

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Loyola University Maryland was awarded a $4 million State grant to construct a new 30,000 square foot academic building, named the “Center for Innovation and Collaborative Learning,” adjacent to Beatty Hall on Loyola’s historic academic quadrangle. This new building, with a total cost of $21.6 million, will house several academic departments in the social sciences including Psychology, Speech Language Hearing Sciences, Sociology, and the School of Education.

Washington College was awarded a $4 million State grant to construct a new 21,317 square foot academic building that will house the Departments of Education and Mathematics & Computer Science. The project, which has a $10.7 million total cost, will incorporate a variety of teaching and learning spaces and student and faculty meeting spaces used to enhance the College’s goal to support integrative, collaborative, and interdisciplinary learning.

During the legislative session MICUA hosted Independent Higher Education Day (IHED), a day-long event on February 28, 2018 to celebrate the State’s commitment to independent colleges and universities. The event was punctuated with the presentation of the 2018 Presidents’ Award to Michael E. Busch, Speaker of the Maryland House of Delegates. The Presidents’ Award is presented sparingly to a few noble leaders who have made exceptional contributions to independent higher education, who have stood up for college access and opportunity, who understand the importance of student choice, and who know the value of knowledge.

Sixteen presidents and former presidents of Maryland’s independent colleges and universities along with over 150 students and campus leaders joined in the celebration.

“Speaker Busch has been a true champion for investments in higher education--public and private,” said Roger Casey, President of McDaniel College and Chair of the MICUA Board of Trustees. “The State of Maryland is well served by his effective statesmanship and commitment to the values Marylanders hold dear.”

Students also attended a presentation on the legislative process and a briefing on both the Sellinger Program and the MICUA Capital Grant Program.
Capitol Technology’s New President Calls for Career-Focused Education

Speaking at his formal investiture ceremony on Friday, April 20, Capitol Technology University’s eighth president, Dr. Bradford Sims, outlined plans for new programs and approaches to learning, but said Capitol would remain true to its mission of providing practical, industry-aligned education in engineering, computer and information sciences, technology, and business.

“Expanding Capitol Tech’s online learning by offering rigorous and engaging content in an asynchronous format will provide opportunity to those who cannot access the traditional model of learning,” President Sims said. “Asynchronous learning will make degrees more available to our active military, working adults, and young people with career and family responsibilities that make a campus education inaccessible to them.”

Sims drew attention to new programs being offered at Capitol at both the undergraduate and graduate level in fields that include business analytics, cyber analytics, and unmanned and autonomous systems. He also said the University plans to expand its range of learning modalities to include asynchronous platforms, which he said would improve accessibility for working professionals, active-duty service members, and non-traditional students.

An educator, administrator, and construction engineer, Dr. Sims has extensive experience both in academia and industry. He previously served as Interim Chancellor and Chief Academic Officer at Embry-Riddle Aeronautical University’s Worldwide campus.

Stevenson University Business Students Work and Learn at Impact Hub

This winter, Stevenson University offered Business Administration students a hybrid off-site class designed to actively engage students outside of the classroom in a real-world hands-on experience.

Students spent their time in Baltimore at the Impact Hub, a growing community of innovators and entrepreneurs dedicated to driving positive change in Baltimore and beyond. Students met with local entrepreneurs at different stages in their organizations and were then tasked with acting as their business consultants.

“We dove into the mission, the populations I serve, funding, and some of my goals for moving forward,” said Shantell Roberts, Owner of Touching Young Lives. “Prior to working with the students, I did not have continuity in terms of Instagram, Facebook, and Twitter, but they shared with me the importance of that when building a brand.”

Students said they appreciated the entrepreneurs making them feel valued by actively listening to the constructive criticism the students had to offer.

“It’s hard to find a job where you’re actually contributing and not just grabbing coffee,” said Harry Snider, Business Administration student at Stevenson University. “You’re talking with the owner. You’re creating a difference and I think that’s the biggest part of working with Impact Hub.”
On March 30 at the Annapolis State House, McDaniel College celebrated the 150th anniversary of the signing of its charter by then Governor Thomas Swann. The Maryland Senate and House of Delegates recognized the College from the floors of both houses. Earlier in the day, representatives on behalf of Governor Larry Hogan, Attorney General Brian Frosh, and Comptroller Peter Franchot delivered citations and certificates of achievement honoring McDaniel.

The College honored one of its own, Senator Ed Kasemeyer ’67, with a citation on the occasion of his retirement after nearly three decades of service in the State legislature. Jim Lightner, College historian, trustee, professor emeritus, and alumnus, discussed the College’s history, referencing Fearless and Bold, the McDaniel/Western Maryland College book he authored, and the “150 Years on the Hill” anniversary exhibit on display January 10 through March 30 in the Miller Senate Office Building in Annapolis.

The celebratory reception, hosted by Senator Justin Ready, found students, faculty, alumni, staff, and State officials cheering McDaniel on to another 150 years.
MICA Named Leader in Fulbright Scholars

For the fifth time in six years, the Maryland Institute College of Art (MICA) was included on the list of U.S. colleges and universities that produced the most 2017-2018 Fulbright U.S. students, among special-focus four-year institutions. MICA also had six Fulbright semi-finalists and two alternate awardees.

“MICA has a long history of educating Fulbright students in fine art, design, art history and other disciplines, with a total of 19 MICA grantees in the last 10 years alone,” said Erin Treacy, the College’s Fulbright program advisor.

The two MICA recipients for the 2017-2018 academic year, Mark Isaac ‘08 (Photography and Digital Imaging M.F.A.) and Ryan Schroeder ‘09 (Painting B.F.A.), were each awarded fellowships in the field of research/creative arts.

Isaac, along with his wife, collaborator, and fellow MICA graduate, Gabriela Bulisova, will travel to the Ukraine to conduct a photography- and video-based study of the culture and traditions of the diverse ethnic minorities who have lived in the country’s southern regions. Schroeder will research how the global energy shift away from fossil fuels to sustainable resources has affected the inhabitants of a condemned German mining community. Schroeder also plans to explore the historical significance of the Ruhr region in developing German industry, and the impact these changes had on European art and culture.