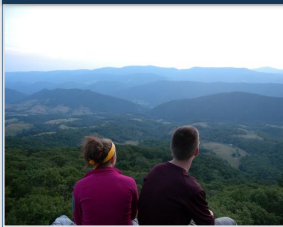




YOUTH SCIENCE DISCOVERY EXPERIENCE *Field Trip*



WV Teachers: Have your students ever asked, “Why do I need to know this?”

Students: Have you ever wondered, “Why do I need to take science & math?”

Objectives: The **YOUTH SCIENCE DISCOVERY EXPERIENCE Field Trip** is designed to introduce 8th grade students from across West Virginia to science, technology, engineering, and mathematics (STEM) education and career opportunities. Immersive partnerships with STEM organizations empower students by providing relevant exposure to the application of STEM in the real world. Activities in the **MakerSpaces** of the **National Youth Science Center** (NYSCenter) provide opportunities to explore STEM through creative, hands-on opportunities using 21st Century technology and tools. This program is created by and operated by the National Youth Science Foundation. (www.nysf.com)

Topics: Robotics, applied mathematics, environmental conservation, clean energy technology, computer science, geology, biology, engineering, hydrology, energy management, environmental conservation, wind energy, and many more.

YSDE Field Trips are offered free of charge to groups of twelve, 8th grade students; teachers or parents accompany student groups (a stipend is provided to participating teachers). For more information: <http://fieldtrip.ysde.org> or email fieldtrip@ysde.org

CALENDAR 2016 - 2017

- February 17 – 19, 2017
- February 24- 26, 2017
- March 3 – 5, 2017
- March 10 -12, 2017
- March 17 – 19, 2017
- March 24 – 26, 2017
- March 31 – April 2, 2017
- April 7 – 9, 2017
- April 21 – 23, 2017
- April 28 – 30, 2017
- May 5 – 7, 2017

DETAILS

- Each YSDE Field Trip consists of twelve, 8th grade students; students may not be on academic or behavioral suspension or subject to any other disciplinary action.
- Two teachers or parents will serve as chaperones; a stipend is provided to teachers.
- Lodging, food, and instructional materials are provided free of charge. A travel allowance is provided.
- A trip leader selected by the National Youth Science Foundation will coordinate YSDE Field Trip arrangements and activities and will lead the field trip.
- To apply, please send E-mail to fieldtrip@ysde.org.
- For more information, visit <http://fieldtrip.ysde.org>.

Fun, engaging, content-based experiences

Y

Youth

S

Science

D

Discovery

E

Experience



Relevant, Real-World STEM Interactions

SAMPLE YSDE FIELD TRIP SCHEDULE

<i>Day</i>	<i>Time</i>	<i>Activity</i>
Friday	4:00 PM	Depart from School for NYSCenter or other STEM Destination, Dinner is provided
	8:00 PM	Intro to STEM Education and STEM Careers
	11:00 PM	Lodging Overnight; Lights Out
Saturday	8:00 AM	Breakfast is provided
	9:00 AM	Depart for STEM Destination
	10:00 AM	STEM Program Activity including Lunch
	5:00 PM	Return to the NYSCenter or Local Lodging
	6:00 PM	Dinner is provided
	6:45 PM	STEM Career Exploration Roundtable
	8:00 PM	Intro to MakerSpaces or STEM Presentation
	11:00 PM	Lights Out
Sunday	7:00 AM	Wake Up
	8:00 AM	Breakfast is provided
	9:00 AM	Hands-On MakerSpace or STEM Activities
	10:30 AM	Break
	11:00 AM	Hands-On MakerSpace or STEM Activities
	12:30 PM	Lunch is provided
	1:30 PM	Hands-On MakerSpace or STEM Activities
	4:00 PM	MakerSpace Showcase or Presentation
	5:00 PM	Dinner is provided
	6:00 PM	Depart
Variable	Arrive at School	



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The Jeanne G. and Lawson W. Hamilton, Jr. Family Foundation

Explore STEM Education and Careers