HASTI Field Trips 2020

Indianapolis Zoo Tour (Indianapolis Zoo)
Sunday, February 9 (1pm to 4pm) Cost: $15
Would you like to know more about what goes on behind the scenes at the Zoo? Spend time with zoo professionals learning about what it takes to care for and run a zoo. Will we take you on a special behind the scenes tour, explore some of the Zoo's animals and show you how you can use the Zoo to inspire student learning.

NOAA/NWS (6900 W Hanna Ave, Indianapolis, IN 46241)
Monday, February 10th (8:30-11:30) Cost $10
The field trip will include a tour of the National Weather Service Indianapolis facilities. This will include the operations area with a demonstration of the Advanced Weather Interactive Processing System (AWIPS) which NWS Meteorologists use to look at critical weather data and issue life saving warnings. A short walk outside (weather permitting) will look at weather instruments used to take daily observations A short program on how the NWS operates and programs used to keep citizens of the United States safe will also be presented. A question and answer session with a meteorologist will conclude the tour.

Children's Museum (3000 N Meridian St, Indianapolis, IN 46208)
Monday, February 10th (1-4) Cost - $15
A guided STEMLab program, *The Night Sky* will be an introduction to astronomy. The program is taking its cue from the book *Waiting is Not Easy!* In this story, the character Piggie entices Gerald with a surprise he has to patiently wait for. What are they waiting for? During the program, visitors will have an opportunity to look at parts of the night sky – learning about constellations, experiment with a real telescope, and create a simple projector that visitors can take home. Furthermore, they will explore the hidden secrets in the stars only visible with the help of advanced telescope technology.

Department of Natural Resources (705 Sprague St, Indianapolis, IN 46217)
Monday, February 10th (1-4) TBD Cost: $10
Schlegel greenhouse is a third generation family owned greenhouse on the south side of Indianapolis. They grow a variety of annuals, perennials, succulents and hanging baskets. With the rapid growth of the hemp industry they have also recently begun

production of hemp seedlings and clones. Schlegel greenhouse is also unique in their use of biocontrol's which is the process of using insect predators and parisitoids to help control insect pests. During the tour participants will get a up close look at Schlegels production cycle from starting seed or cutting through to the finished plant product ready for sale. The use of biocontrol's and there hemp production process can also be reviewed if there is an interest.

American Chemical Society (The Center; 6320 Intech Way Indianapolis, IN 46278)
Date and Time: Monday, February 10th (11:30-3:30) Cost: $10

Giveaways: Take home materials for classroom experiment, USB drive containing many experiments and resources for teachers

Time	Activity
11:30-12:20	Introduction, Lunch* and Demos (Guy Hansen) *Lunch will be provided for all volunteers!
12:20-2	Speakers (order TBD) 20 min each: ● Chemical safety in the classroom (Rebekah Dickerson) ● Chemistry and Art, connecting disciplines – (Greg Smith) ● Lessons from a seasoned teacher – (Lisa Kern) ● Careers involving chemistry – (Andrea Moberly) ● Connections to ACS: Project SEED and Chem Olympiad – (Elmer Sanders)
2-2:45pm	Tour of HRG labs (Andrea Moberly)
2:45-3:30pm	Hands-on experiment with teachers, includes take-home materials to perform this experiment with their students (*tentative leader: Don Wettrick*)