

BCPS Field Trip Request ID # 9710

Trip Request By	April Watkins - BMS
Trip Name	8th Grade Field Trip
Trip Date	05-23-2019
Approx. Pick-up Time	8:15PM
Return Date	05-23-2019
Approx. Return Time	2:45PM
Class/Group	8th Grade
Student Count	133
Chaperone Count	14
Number of Vans/Buses	3
Common Carrier	Miller Transportation
Cost to Students	30
How will you pay for students who cannot afford the fee?	We will use our student activities fund.

Place of Departure

Name:	Bernheim Middle School
Address:	700 Audubon Drive
City:	Shepherdsville
State:	KY

Destination

Name:	Kentucky Kingdom
Address:	937 Phillips Lane
City:	Louisville
State:	KY

Lesson Plans

8th graders will be attending an Education in Motion STEM Learning day at Kentucky Kingdom. The purpose of this field trip is to expose students to real-life engineering successes that rely on the physics they have been learning about throughout middle school. There are four NGSS Engineering standards (MS-ETS1-1,2,3, & 4) that are woven throughout nearly every unit in each grade, including 8th grade. During this visit, students will be expected to use their schema to observe and analyze rides such as Thunder Run, Mile High Falls, and others. Students will then use their observations and analysis of current design solutions (roller coasters and rides) to design their own, superior ride (MS-ETS1-3). Their design solution will not only have to fit into the constraints of a successful amusement ride, but it will also have to account for potential impacts on the natural environment (MS-ETS1-1), which is a large part of the 8th grade curriculum. Students will be expected to record their observations throughout their visit. They will use these written observations and reflections the following week to craft a superior ride using the engineering design process.