Physics Day

Curriculum Matrix

Wisconsin Science Standards — Content Standards / Guide Activities	Standard A Science Connections — Grade 8		Standard A Science Connections — Grade 12		Standard C Science Inquiry — Grade 8									Standard C Science Inquiry — Grade 12					Standard D: Physical Science — Grade 8				Standard D: Physical Science — Grade 12	
	A.8.3 Defend explanations and models by collecting and organizing evidence that supports them and critique explanations and models by collecting and organizing evidence that conflicts with them.	**A.8.6** Use models and explanations to predict actions and events in the natural world.	**A.12.3** Give examples that show how partial systems, models, and explanations are used to	**A.12.6** Identify and, using evidence learned or discovered, replace inaccurate personal models and explanations	**C.8.1** Identify questions they can investigate using resources and equipment they have	**C.8.2** Identify data and locate sources of information including their own records to	**C.8.3** Design and safely conduct investigations that provide reliable quantitative or	**C.8.5** Use accepted scientific knowledge, models, and theories to explain their results and	**C.8.6** State what they have learned from investigations, relating their inferences to	**C.8.7** Explain their data and conclusions in ways that allow an audience to understand the	**C.8.8** Use computer software and other technologies to organize, process, and present	**C.8.9** Evaluate, explain, and defend the validity of questions, hypotheses, and	**C.8.10** Discuss the importance of their results and implications of their work with peers,	**C.12.2** Identify issues from an area of science study, write questions that could be investigated, review	**C.12.3** Evaluate the data collected during an investigation, critique the data-collection procedures	**C.12.4** During investigations, choose the best data-collection procedures and	**C.12.5** Use the explanations and models found in the earth and space, life and	**C.12.6** Present the results of investigations to groups concerned with the issues,	**D.8.5** While conducting investigations, explain the motion of objects by describing the forces	**D.8.6** While conducting investigations, explain the motion of objects using concepts of speed,	**D.8.7** While conducting investigations of common physical and chemical interactions	**D.8.9** Explain the behaviors of various forms of energy by using the models of energy	**D.12.7** Qualitatively and quantitatively analyze changes in the motion of objects and the forces	**D.12.11** Using the science themes, explain common occurrences in the physical world.
Conscious Commuting	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
American Eagle	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Batman, *The Ride*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Chubasco	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Columbia Carousel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Demon	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Giant Drop	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X
Hometown Fun Machine	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Dark Knight/Ragin' Cajun	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Iron Wolf	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
King Chaos	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Loggers Run	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
The Orbit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Raging Bull	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Revolution	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
River Rocker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Rue Le Dodge	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sky Trek Tower	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Superman Ultimate Flight	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vertical Velocity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Viper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Whirligig	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Whizzer	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mind Bogglers	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X