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PHM



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Penn-Harris-Madison Schools (PHM) support the transit of Venus experience.

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See [TROVE](#) for other community attractions related to the transit of Venus.

Classroom Activities

Many activities and [resources](#) are available for PHM educators parents, from which these suggestions are highlighted for PHM students.

- [Activity 1: A Simple Demonstration](#)
Coming soon: Move a Venus in front of a sun.
- [Activity 2: Create Your Own Stained Glass Window](#)
- [Activity 3: Pixel Count](#)

DVT Newsletters

2012 April 26
AstroFest at Union Station on April 28; TROVE Adventure; Free Phone App; Seeking Skilled Telescope Owners; Eclipse Underway at Sunset May 20; At the PHM Digital Video Theater; Transit of Venus Lecture Series; Cash Prizes for Student Art

2012 February 24
Penn Band to Play Rare Sousa March; New Laser System Dazzles; Reserve for Free Laser Show; Planets Visible in March Sky; Cash Prizes for PHM Transit of Venus Art Contest

2012 February 2
Why Leap Year?; Lasers Are Coming!; DVT Schedule; Watch Jupiter & Venus Head for a Showdown; Science Alive!; Trove Art Exhibit

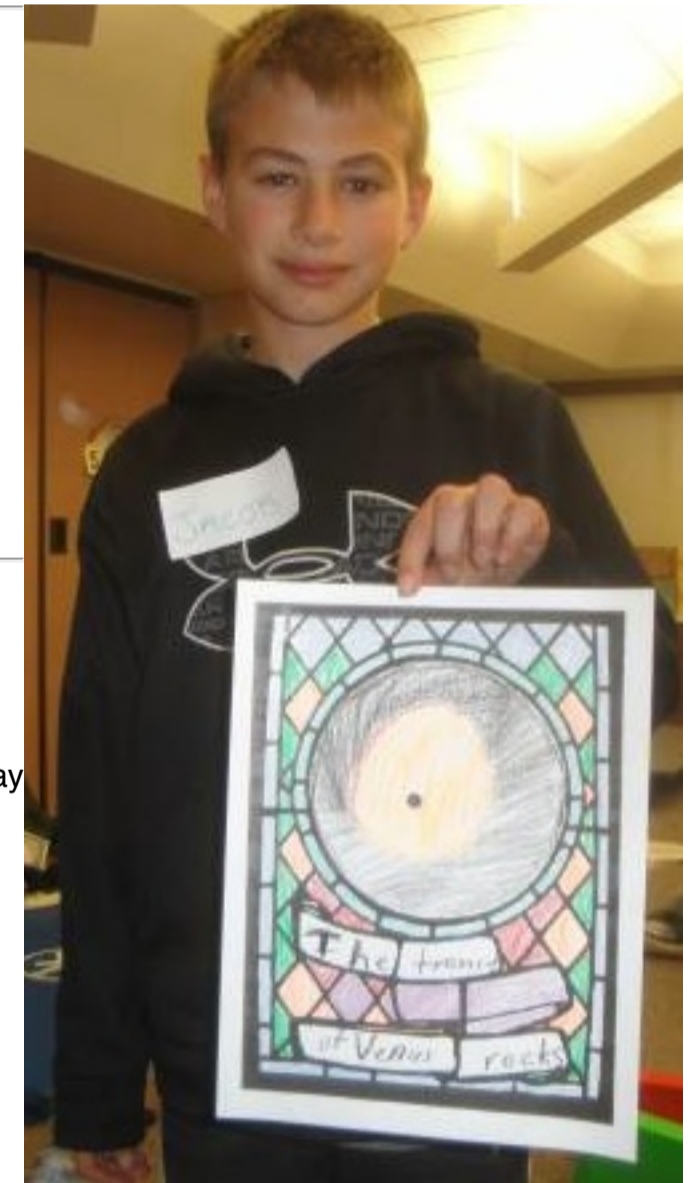
2012 January 18
Video debuts at PHM Theater; Venus Shines in PM Sky; Conflict with Sports in the 17th Century; Treasure TROVE

2011 December 5
Season of Light; TROVE introduction; Kepler Announces First Planet in Habitable Zone; Activity: Pixel Count

2011 November 2
Holiday Line-up; Transit of Venus & Church, stained glass windows; Still Finding New Stuff, star with spiral arms; Sun Ramping Up, giant sunspot now

2011 November 10
Public Shows in Digital Theater; Countdown to June 5, 2012, countdown clock for last day of school; Autumn Skies, highlights of the Summer Triangle; Bust Stop Astronomy, Jupiter and moons visible

2011 September 20
New Digital Video Theater at PHM; 2012 Transit of Venus, introduction; Walking on the Moon, satellite images of Apollo



PHM Events

2012 Schedule of Shows in DVT

Classroom activities in 2012

Video [trailer](#) in DVT

Transit of Venus lectures in DVT (see [Schedule](#)) on **May 17, 24, & 31**

Coordination of [Treasure:TROVE](#)

End-of-year [PHM student art exhibit at Kingsmen Art Gallery](#), Penn High School

John Phillip Sousa's *Transit of Venus March* by Penn Symphonic Winds on **March 8**

Public telescope observing on June 5, 2012

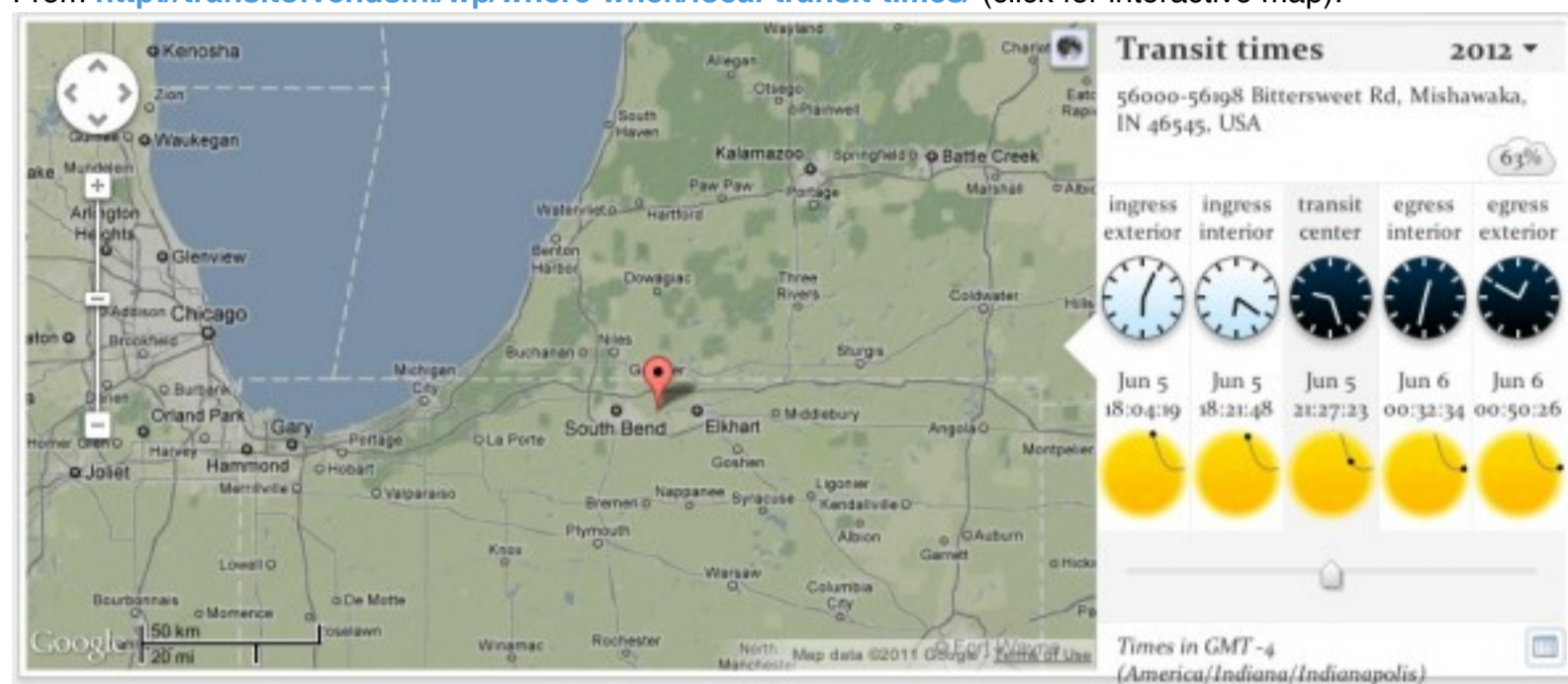
Live NASA webcast of Transit of Venus

Observing with Telescopes

Owners of telescopes are invited to share the spectacle with the public on June 5, 2012, at

the PHM campus. Anticipate a public telescope workshop in May for safe solar observing instructions.

From <http://transitofvenus.nl/wp/where-when/local-transit-times/> (click for interactive map):



Resources

<http://www.phm.k12.in.us/node/40>

PHM Digital Video Theater (DVT); official PHM page includes Public Show Schedule and contact information for DVT Director Art Klinger.

<http://youtu.be/ehHY9fTrb7Q>

the Transit of Venus, a 4-minute video shown in the PHM DVT

www.transitofvenus.org/docs/Poster-24x36inch11-12-15-PHM.pdf

Poster: *PHM 2012 Transit of Venus*; high-resolution (32.6 MB) collage of images on stained glass window frame; URL on poster refers to this page ([/phm2012](#)).

<http://www.transitofvenus.org/phm/index.htm>

Dormant, unofficial website for PHM Planetarium & Air/Space Museum; includes images and details on museum collection and exhibits.

<http://astrosociety.org/education/publications/tnl/78/78.html>

Universe in the Classroom article summarizes the significance and history of the transit of Venus, from centuries of intrigue to the modern hunt for habitable planets.

<http://www.transitofvenus.org/misc/what-the-chuck/182-links-michiana-astronomy>

Links to Michiana astronomy interests.

<http://www.transitofvenus.org/trove>

TROVE; attractions in Michiana that support the transit of Venus

Directions to PHM Digital Theater

The Digital Video Theater (DVT) is located within Bittersweet Elementary School, which is just north of Penn High School. From the school corporation's office building (Educational Service Center (ESC)) on Bittersweet Rd., go east on the driveway to Bittersweet School on the left.

Note: Several mapping services (Google, Bing, etc.) incorrectly mark Bittersweet School as being literally on Bittersweet Road, just south of McKinley Ave.



[v=2&cp=qydg217tqxs0&vl=18.213472132516717&dir=4.722599367318484&sty=b&ss=yp.planetarium~pg.1~rad.0,2257](#)
for an [aerial view of the approach](#) to the school.

2004

The PHM Planetarium was a leading hub for transit of Venus programming in 2004 as it created [educational resources](#) for national distribution, hosted [local viewing](#) of the solar spectacle, and coordinated international communication and outreach through its popular [2004 website](#) . For these efforts, then-Secretary of Education Rod Paige recognized the school district for its contribution.



[Foundation](#).

Programming for the 2012 transit of Venus is supported in part by the [PHM Education](#)