

Sun	Moon	Mars	Mercury	Jupiter	Venus	Saturn
			22 StarHustler Winter Konichek Kontract Konichek Kalendars GNATS 1 DAY/MONTH/YEAR	23 3rd Q Moon 23:19 StarHustler Days GNATS 2 Leap Year Rules and History of our Calendar Mars 4" north of Moon by Spica overhead at 5:00	24 StarHustler Dec. GNATS 3 Time-Zones Week 1 Stars Saturn rises with Moon 2:13	25 1736 Joseph Lagrange born 1983: IRAS launnched 1994 Clementine spacecraft launched 2004 Opportunity rover lands on Mars
26	27 7th set of 13 StarHustler Address Textbooks Chap. 1 Seasons Solar System Model heavens-above.com Altitude/Azimuth Apollo 1 crew die 1967	28 StarHustler Jan. Chap. 1 Celestial Sph. Lat./Long Rt. Ascension/Declination Globes Venus/Moon rises 6:13 1611 Johannes hevelius born 1986 Challenger explodes	29 StarHustler Feb. Week 2 Stars Apollo 13 Colored pencils Figures Astrotines	30 New Moon 15:39 StarHustler Spring Apollo 13 Figures/Astrotines Moon at perigee 1964 Ranger 6 lauched SPASH MUSICAL 7pm	31 GNATS 1-3 due StarHustler March Apollo 13 Chinese New Year Mercury at greatest elongation (18° E) Venus appears stationary 1985 ESA approves Columbus program Apollo 14 launched 1971 SPASH MUSICAL 7pm	1 19:13 Moon/Mercury SPASH HOST NEWCA CHESS TOURNAMENT 2003 Columbia destroyed SPASH MUSICAL 1, 7pm
2 1966 Luna 9 lands on Moon Groundhog Day	3 StarHustler April Handout Scuba forms Chap 2 Copernican Rev. Standard Deviants	4 StarHustler May Divide into two to four groups: Flat Earth/Round Earth; Greeks, Europeans 1906 Clyde Tombaugh born	5 StarHustler Summer Week 3 Stars Deep Impact Clip Group Work 1971 Apollo 14 lands on Moon	6 1st Q Moon 13:22 StarHustler June Week 4 Stars Serendipity Clip Group Work Mercury appears stationary 1971 Alan Shepard hits first golf ball on Moon	7 Chap 1 due StarHustler July Scuba Forms due Group Presentations 1984 First untethered spacewalk 1999 Stardust comet probe launched	8 1828 Jules Verne born 1974 84 day Skylab mission ends; last crew?
9 1971 Apollo 14 returns: last post-mission quarantine	10 StarHustler August What's Up Doc #1 Chap 3 Info. From Space E.M.S. Handout Diffraction Gratings/lasers Photo Elect. Effect PHET sims./F=ma 9 states of matter/Kelvin	11 StarHustler Fall Chap 4 Spectroscopy Lab 18:13 Jupiter/Moon belt holes for Caster & Pollux? 2010 Solar Dynamics Observatory launched	12 Early Release StarHustler Sept. Chap 5 Telescopes 1963 NASA selects contractor to build the Crawler Transporter 2001 NEAR lands on asteroid Eros	13 8th set of 13 StarHustler Oct Week 5 Stars Students with lasers. Library Model. Hallway model also. Clash of the Titans 1852 Johan Dreyer born	14 Full Moon 17:53 StarHustler Nov Chap 2 due/Test 1/2 Mr. Konichek on 2nd highest of the 7 great mountain summits presentation 1980 Solar Max launched 1990 Voyager 1 solar system portrait 2000 NEAR orbits Eros Valentines Day	15 Venus at greatest illuminated extent? Mercury in inferior conjunction 1564 Galileo Galliei born 1973 Pioneer 10 becomes the 1st spacecraft to pass through what?

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16 <u>1948 Gerard Kuiper discovers Miranda, moon of Uranus</u>	17 <u>2007 THEMIS spacecraft launched</u> NO SCHOOL PARENT/TEACHER CONFERENCES 11 am — 7 pm	18 “What’s up Doc”? Chap 6 Our solar system A handful of stuff Ceiling Model <u>1930 Pluto discovered</u>	19 GNATS 4 Stars vs. Sand <u>Moon/Spica/Mars 6:13</u> <u>1473 Nicholas Copernicus born</u> <u>1986 Mir space station launched. Mir 2???</u>	20 Swimsuits here? Stars vs. Sand <u>1962 John Glenn 1st American to orbit Earth</u> PARENT/TEACHER CONFERENCES 4-8pm	21 Chap. 3,4,5 /test due Stars vs. Sand Places for Observations <u>See Saturn and Moon balance Libra 6:13</u>	22 3rd Q 11:15 <u>1966 Cosmos 110 launched, sets record for dogs in space (22 days)?</u> <u>1978 First Navstar GPS satellite launched</u> <u>2006 HST finds two new moons of Pluto</u> WINTER FORMAL
23 <u>Neptune in conjunction with Sun</u> <u>1987 Supernova 1987a explodes</u> <u>1990 Pioneer 11 leaves solar system?</u> <u>1997 Flash fire in Mir Kvant module?</u>	24 Scuba Training Buoyancy Demos <u>1968 Discovery of first pulsar announced?</u>	25 Astronaut Training in SPASH’s Neutral Buoyancy Lab	26 Videos Taken Yesterday Chap. 7 Earth The Core Clip Two-Four Groups Kepler/Ocean/Land/Earth Layers <u>See Mars, Saturn, Venus/Moon, Mercury 6:13</u> <u>1842 Camille Flammarion born</u>	27 Week 6 Stars Group Research <u>1897 Bernard Lyot born</u> <u>1970 HL-10 sets lifting body altitude record of 90,300 feet?</u>	28 Test 3-6 takehome Chap. 6/GNATS 4 due The Core Presentations <u>2007 New Horizons passes Jupiter, where is it now?</u>	1 New Moon 2:00 <u>1927 George Abell born</u> <u>1966 Venera 3 impacts and 1982 Venera 13 returns 1st color photos from surface of Venus</u>
2 <u>2004 Rosetta comet probe launched. It’s mission?</u>	3 What’s Up Doc?2 Chap. 8 M&M’s Kin esthetics Phases/Same side <u>1969 Apollo 9 launched, what was its mission?</u>	4 What’s Up Doc?3 The Moon Live! <u>1979 Jupiter’s ring discovered?</u>	5 9th set of 13 Week 7 Stars Laser pointers Messenger Research or Draw Moon <u>1512 Gerardus Mercator born</u> Ash Wednesday	6 Star Hustler video Star/Const Quiz Research/Draw Time Jupiter appears stationary <u>1787 Joe Fraunhofer born</u> <u>2009 Kepler Observatory launched,. What is its status now, mission?</u>	7 Chap. 7/test due Presentation What’s Up Doc?4 Observation #1 <u>1792 John Herschel born</u> <u>1837 Henry Draper born</u> <u>1969 Apollo 9 did what?</u>	8 1st Q 7:27 Spring ahead time <u>1979 What was found on IO?</u> <u>2007 Orbital Express launched</u> <u>2008 1st Automated Transfer Vehicle launched</u> SAT at SPASH
9 <u>1564 David Fabricius born</u> Daylight Savings Time Boo Hoo?	10 What’s Up Doc?5 Week 8 Stars Laser Pointers Catch Up Time Jupiter/Moon soccer balls for Gemini twins 19:13 <u>1977 rings discovered around Ur anus?</u>	11 What’s Up Doc?6 Week 9 Stars Laser Pointers UFO’s Day 1 Pro’s/Con’s <u>1811 Urbain Le Vernier born</u> SPASH CHOIR 7:30 pm	12 Early Release UFO’s Day 2 Why? <u>1835 Simon Newcomb born</u> <u>1981 Who is Victor Savitskykh? (100th what?)</u>	13 know nationalities UFO’s Day 3 Your thoughts? Observation am Today or tomorrow <u>1781 What does William Herschel discover?</u> <u>1855 Percival Lowell born</u>	14 Chap. 8 due No test takehome Star/Const. test Catch Up time <small>See Mars,Saturn,Venus, Mercury 6:52</small> <u>Mercury at greatest elongation (28 degrees west)</u> <u>All 3rd Quarter Points Due Today</u>	15 State Chess Tour. <u>1713 Nicolas de Lacaille born</u> <u>1932 Alan Bean born</u> <u>1975 Helios 1 launched</u>

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16 Full Moon 12:09 <u>1750 Carolyn Herschel born</u> <u>1966 Gemini VII launched</u>	17 Chap. 9 Venus Nationalities <u>1930 Jim Irwin born</u> St. Patrick's Day	18 Make & Take Celestial Spheres See Moon/Mars/S[oca. Artiris. Satirm. Antaras, Venus, Summer Triangle, Mercury <u>1980 Soviet Rocket Explosion? (any die?)</u>	19 Make & Take Celestial Spheres Rocket Man	20 Equinox 11:57 Make & Take Celestial Spheres Rocket Man See Mars, Saturn/Moon, Venus, Mercury	21 Takehome 7-8 Make & Take Celestial Spheres Rocket Man End of 3rd Q in your other classes	22 Venus at greatest elongation (47 degrees west) SPRING BREAK STARTS
30 New Moon 13:45 LAST DAY OF SPRING BREAK	31 10th set of 13 Chap. 10 Mars <u>Mars 5° north of Spica at midnight. I thought planets move east?</u>	1 Mars Rover activity	2 Mars Rover activity Uranus in conjunction with Sun <u>1845 1st photograph of Sun taken</u>	3 Mars Rover activity <u>1973 Salvut 2 space station launched</u>	4 Chap 9/test 7-8 due Constellation Puzzle North <u>1930 American Rocket Society formed. Does it still exist?</u> <u>2000 1st commercial mission to Mir?</u>	5 <u>1990 Pegasus launched.</u>
6	7 1st Q 3:31 Chapters 11 & 12 Jupiter & Saturn <u>1991 Compton Gamma Ray Observatory deployed</u>	8 Week 10 Stars Probe Research <u>Mars at opposition</u>	9 Pet Constellations Probe Research <u>1959 NASA selects 1st Astronauts</u>	10 Presentations <u>1919 John Houbolt born</u>	11 Chap 10 due Takehome 9-10 Constellation Puzzle South <u>1960 Project Ozma started</u> <u>1970 Apollo 13 launched</u> <u>1986 Halley's Comet closest to Earth</u>	12 <u>1961 Yuri Gagarin 1st human in space. Yuri's Night World Space Party?</u>
13 Palm Sunday	14 Star Hustler Chap 13 Uranus/Neptune <u>1629 Christiaan Huygens Born</u> Passover at sunset	15 Full Moon 2:42 TOTAL LUNAR ECLIPSE Observation Session The Dish	16 The Dish See Jupiter, Mars, Saturn/Moon 22:52-23:52 <u>1867 Wilbur Wright born</u> <u>1972 Apollo 16 launched</u>	17 11th set of 13 Chap 11-12 and Takehome 9-10 due The Dish See Saturn/Moon, Venus 5:52 <u>1970 Apollo 13 returns</u>	18 NO SCHOOL GOOD FRIDAY	19

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<p>20</p> <p>the 1ST SUNDAY following the 1ST FULL MOON of SPRING EASTER</p>	<p>21</p> <p>Chap 14 The A/C <u>Lyrid meteor shower</u> <u>1997 Cremated remains of 24 launched into orbit for 1st space funeral?</u></p> <p>NO SCHOOL INSTITUTE DAY</p>	<p>22 3rd Q 2:52 Chap 14 A/C</p> <p>Asteroids in flour Asteroid hunters</p> <p><u>Lyrid meteor shower</u></p>	<p>23</p> <p>Solar System Kin esthetics (outside activity) <u>1858 Max Planck born</u></p>	<p>24</p> <p>Prepare for Time/Line Game No Notes tomorrow Groups Research Astronomers/Wars/St. Pt. history/etc.</p>	<p>25 Chap 13 due Takehome 11-13 Time/Line Game</p> <p><u>1990 HST deployed</u> Mercury in superior con- junction</p>	<p>26</p>
<p>27</p>	<p>28 Skip Chap 15 Chap 16 The Sun</p> <p><u>1900 Jan Oort born</u> <u>1906 Bart Bok born</u> <u>1928 Eugene Shoemaker born</u> <u>2001 Who is Dennis Tito</u></p>	<p>29 New Moon 1:14</p> <p><u>Annular solar eclipse Australia</u></p>	<p>30</p> <p>(View sunspots out- side.) Watch solar eclipse from yesterday.</p>	<p>1</p> <p>3D-Constellations (activity)</p> <p>SPASH SHOWTIME 19:30</p>	<p>2</p> <p>Chap 14 and Take- home 11-13 due Star Hustler Sun Dice Game</p> <p><u>SPACE DAY?</u> SPASH SHOWTIME 19:30</p>	<p>3</p> <p>SPASH SHOWTIME 19:30</p>
<p>4</p> <p><u>Try to see Mercury, Jupiter/Moon, Mars, Saturn 20:52</u></p>	<p>5 Star Hustler. Chap 17 Star Life</p> <p><u>Eta Aquarid meteor shower</u></p> <p>SPASH AP EXAMS</p>	<p>6 1st Q 20:15 ap. Magnitudes Apparent/Absolute</p> <p><u>Eta Aquarid meteor shower</u> <u>1961 Alan Shepard 1st American in Space</u> Cinco de Mayo SPASH AP EXAMS</p>	<p>7</p> <p>H/R diagram</p> <p>Plotting Stars</p> <p>SPASH AP EXAMS</p>	<p>8 12TH SET OF 13 H/R diagram</p> <p>Label Zones/ Questions</p> <p>SPASH AP EXAMS</p>	<p>9</p> <p>Takehome 16-17 Chap 16 due Where's Waldo?</p> <p>SPASH AP EXAMS</p>	<p>10</p> <p>ASTRONOMY DAY (SPRING)</p> <p>Saturn at opposition</p> <p>PORTAGE COUNTY CULTURAL FEST</p>
<p>11</p> <p><u>1974 SMS-1 launched, 1st geostationary weather satellite</u></p> <p>MOTHER'S DAY</p>	<p>12</p> <p>Pet Constellation Presentations</p> <p><u>1930 Adler Planetarium opens, 1st one in Western Hemisphere</u></p>	<p>13</p> <p>Pet Constellation Presentations</p>	<p>14 Full Moon 14:16</p> <p>Pet Constellation Presentations <u>See Mercury, Jupiter, Mars, Saturn 20:13</u></p> <p><u>2009 Herschel and Planck space observatories launched</u></p>	<p>15</p> <p>Pet Constellation Presentations</p> <p><u>See Venus 1.3" sout of Uranus 5:00 to 5:13</u></p>	<p>16</p> <p>Chap 17 and Take- home 16-17 due</p> <p>4TH QUARTER PTS DUE DATE</p>	<p>17</p>

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18 <u>1969 Apollo 10 launched</u> <u>1984 Viking 1 lander given to</u> <u>National Air & Space Museum</u> <u>2009 23rd and final HST ser-</u> <u>vicing EVA</u>	19 Video Democracy Victoria Day (Canada)	20 Video Democracy	21 3rd Q 7:59 EARLY RELEASE Video Democracy <u>Mars appears stationary</u>	22 Video Democracy LAST DAY FOR SENIORS Handkerchief Day 1 <u>1969 Apollo 10 did what?</u> <u>2012 What is Dragon C2+?</u>	23 Sculpture in the Park walk <u>1984 NASA selects 10th</u> <u>astronaut group</u> Senior Graduation Rehearsal 8 am	24 1962 What was Scott Car- penter the first to do?
25 <u>Mercury back to greatest elon-</u> <u>gation (23" E) 20:13</u>	26 NO SCHOOL Memorial Day	27 Junior Projects Web Page Work	28 13th set of 13 New Moon 13:39 Junior Projects Web Page Work	29 Junior Projects Web Page Work <u>1919 Einstein's General</u> <u>Theory of Relativity tested</u> <u>during solar eclipse</u> Ascension Day	30 Junior Projects Web Page Work 20:26 see Mercury/Moon, Jupiter, Mars, Saturn	31
1	2 My Life "So Far" Future Plans <u>1930 Charles "Pete" Con-</u> <u>rad born</u> <u>1952 Paul Michael</u> <u>Konichek born</u>	3 Junior Projects Web Page Work	4 Junior Projects Web Page Work	5 1st Q 15:39 <u>1819 John Couch Adams</u> <u>born</u> SPASH FINAL EXAMS Periods 2, 4, 8, 6	6 Handkerchief Day 2 Last Day of Students <u>1932 Dave Scott born</u> SPASH FINAL EXAMS Periods 1, 3, 7, 5	7
8	9 Mr. Konichek Retires His last full teaching se- mester experienced 13:13:13:13:13:13 Sec:Min:Hr:Day:Month:Yr of the millennium His last full yr. 2013 His 1st full yr. 2015 is evenly div. by 13	10 Our Star the Sun does appear to move through 13 regions of the sky NOT 12	11	12	13	14