

January 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24 Begin Week 1
25 Intro, Lab Safety, Syllabus	26 Safety Quiz, Books Into to Earth/ Universe	27 Universe Components, Solar System Formation and Components	28 Earth Sun Relationships, Insolation	29 Bowling Trip	30	31 Begin Week 2

February 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 Geologic Time Anatomy of Earth, Major Landforms, Watersheds construction	2 Atmosphere structure, heat transfer, hydrologic cycle, into to weather	3 Major Weather phenomenon, El Nino Southern Oscillation	4 Rock Cycle, Rock Types, Plate Tectonics, mineral formation, Intro to soils	5 Soils, profiles, triangle	6	7 Begin Week 3
8 Biosphere construction, food chains/ webs, into to major biomes, photosynthesis and cell respiration	9 Early Release terrestrial biomes, aquatic biomes, edge effects, succession	10 Population basics, carrying capacity, reproductive strategies, growth patterns	11 Sampling techniques, biotic potential	12 biomagnification, bioaccumulation, exotic species, Origin of life, natural selection	13	14 Begin Week 4
15 Teacher workday	16 Major adaptation to environment, energy review	17 Biogeochemical cycles	18 Review/ Catchup	19 Exam 1	20	21 Begin Week 5
22 Human Population, history, movement and migration, distribution	23 Dynamics of Human Population, fertility, growth rates, demographics and transitions	24 Age structure diagrams, survivorship curves, limiting factors	25 Cultural Factors affecting human population, limits to population size	26 History of Environmental science, human influence on environment	27	28 Begin Week 6

March 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 Land Conservation options, conservation/preservation/remediate/mitigate/ restore	2 pubic vs federal lands, management techniques and practices	3 forest use and Management, environmental services	4 Rangeland management, overgrazing/ deforestation, desertification, federal rangelands	5 Mining and Review minerals, extraction techniques, global resources, laws and treaties, reclamation	6	7 Begin Week 7
8 Agriculture, human nutrition require types of agriculture, green revolution, genetic engineering	9 Early Release Irrigation, deforestation, pest control, pesticides,	10 cost/benefit analysis, integrated pest management, biological control, Laws (FIFR act)	11 Urban land use, planned development, suburban sprawl, urbanization, infrastructure	12 environmental effects, green architecture	13	14 Begin Week 8
15 Water resources and use, fishing technique, overfishing, aquaculture, laws and treaties	16 Global economics, globalization, world bank, tragedy of commons, laws and treaties	17 Exam 2	18 energy use and land resources, history of use, current use, future energy needs	19 Fossil fuels, formation of coal/ oil/ natural gas, extraction/ purification, world resources	20	21 Begin Week 9

<p>22 environmental advantage/ disadvantage, nuclear energies, nuclear fission process, electrical generation, reactor types</p>	<p>23 Safety issues, radiation and human health, waste storage, nuclear fusion</p>	<p>24 hydroelectric power, dams & flood control, salmon migration, silting, land use consequence</p>	<p>25 Renewable energy, solar energy/ electricity, hydrogen fuel cell, biomass/biofuels, wind energy</p>	<p>26 microhydro, tidal energy, geothermal, environmental advantages and disadvantages</p>	<p>27</p>	<p>28 Begin Week 10</p>
<p>29 Energy conservation, efficiency CAFE Standards, hybrids, mass transit</p>	<p>30 air pollution, major air pollutants, measurement, smog, acid deposition</p>	<p>31 Heat islands, temperature inversions, indoor air pollutants, remediation. reduction strategies</p>				

April 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1 Clean air act and other laws, noise pollution solution, effects and control measures	2 Workday	3	4 Begin Week 11
5 Spring Break	6 Spring Break	7 Spring Break	8 Spring Break	9 Spring Break	10	11 Begin Week 12
12 Water pollution, types of pollution, sources of pollution, cultural eutrophication,	13 water quality, water purification, sewage treatment, septic systems	14 clean water act and other laws	15 solid waste types, disposal and reduction techniques	16 Hazards to human health, environmental risk analysis, acute vs chronic effects,	17	18 Begin Week 13
19 Hazardous chemical storage and disposal, types and treatment, cleanup of sites, laws and treaties	20 Exam 3	21 Economic impacts, cost benefit analysis, sustainability	22 Global Change, Review stratospheric ozone, causes of ozone depletion, effects of ozone,	23 strategies for reducing loss, laws and treaties, global warming, greenhouse gasses and effect	24	25 Begin Week 14

26 Impacts and consequences of global warming, reducing climate changes,	27 loss of biodiversity, habitat loss, overuse, pollution, introduced species	28 Endangered species and species extinction of species	29 maintenance through conservation	30 Overflow/ Catchup day		
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May 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1	2 Begin Week 15
3 Review	4 Review	5 Review	6 Review	7 Review	8	9 Begin Week 16
10 Workday	11 APES College Board EXAM 8am	12	13	14	15	16 Begin Week 17
17	18	19	20	21	22	23
24	25	26	27	28	29	30
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June 2010

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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