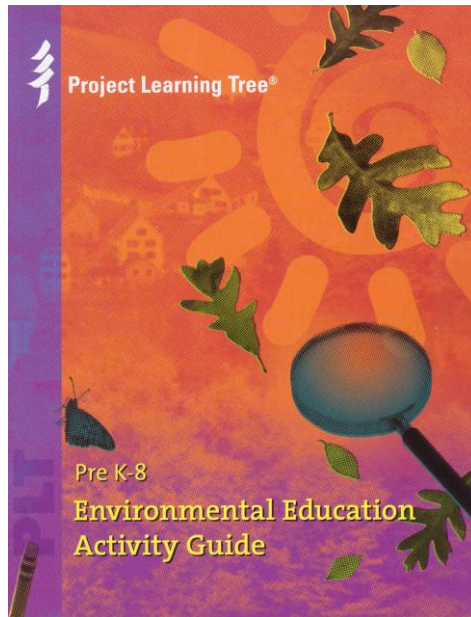


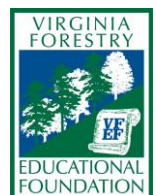
Project Learning Tree PreK-8 Environmental Education Activity Guide



Integrated Correlation to the Virginia Standards of Learning (listed by PLT Activity Number)



Funding for this correlation was provided by the Virginia Forestry Educational Foundation and the United States Environmental Protection Agency, Office of Environmental Education.



Abbreviations and Symbol Key:

| | | |
|------|---|--|
| CE | = | Civics and Economics |
| HSS | = | History and Social Science |
| LS | = | Life Science |
| PS | = | Physical Science |
| USI | = | United States History to 1877 |
| USII | = | United States History: 1877 to the Present |
| VS | = | Virginia Studies |
| WG | = | World Geography |
| WHI | = | World History and Geography to 1500 A.D. |

- Teaches the concept; main focus of the activity
- ⊙ Includes some teaching of the concept; reinforces the concept; concept is part of the focus of the activity
- Reinforces, supports, or addresses the concept; connects concept to an environmental issue

Note: The SOLs referred to in this document are the 2009 SOLs for math, 2010 SOLs for science and English, and 2008 SOLs for history/social science.

#1 The Shape of Things

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------------------|---------------|---------------------|-----|
| ● | K.11, K.12, 1.12, 1.13 | K.4, K.9 | K.2, K.3, K.8, K.10 | |
| ⊙ | K.15, 1.16 | K.1, K.2, 1.1 | 1.2, 1.3, 1.8 | |
| ○ | 2.16, 3.17 | | | |

#2 Get In Touch With Trees

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|--------------------|---|-----|
| ● | | K.4 | | |
| ⊙ | K.15, 1.16 | K.1, K.2, 1.1, 1.4 | 7.4 | |
| ○ | 2.16 | | K.2, K.3. 1.3, 1.8, 1.13, 2.3, 3.1, 3.7, 3.9, 4.7, 4.8, 4.9, 5.1, 5.7, 5.9, 6.7 | |

#3 Peppermint Beetle

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-------------------------|---------|-----|
| ● | 2.2 | | | |
| ⊙ | | K.1, K.2, 1.1, 1.7, 2.7 | | |
| ○ | | 1.5, 2.1, 2.5, 3.1, 3.4 | | |

#4 Sounds Around

| | MATH | SCIENCE | ENGLISH | HSS |
|---|-----------|---------------|---|------------------------|
| ● | | | | |
| ⊙ | K.13 | K.2, K.6 | K.1, K.2, 1.2, 1.13, 3.1, 4.1, 5.1 | K.4, K.5, 1.4, 1.5 |
| ○ | K.14, 2.2 | K.4, 3.4, 5.2 | 3.5, 3.6, 4.4, 4.5, 4.7, 5.5, 5.6, 5.8, 6.4, 6.5, 6.6 | 3.10, CE.3, CE.7, CE.8 |

#5 Poet-Tree

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------------|-----------------------------------|-----|
| ● | | | 5.1, 5.7, 6.5 | |
| ⊙ | | | 3.9, 4.7, 4.8, 5.5, 5.6, 6.4, 6.6 | |
| ○ | | 2.8, 4.9, 6.9, LS.11 | 8.4 | |

#6 Picture This!

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|---------------|--------------------|-----|
| ● | K.15, 1.16 | 4.5 | | |
| ⊙ | | K.2, 1.4, 1.5 | K.3, 2.3, 3.1, 3.2 | |
| ○ | K.14, 3.17 | 1.7 | 1.3 | |

#7 Habitat Pen Pals

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------|---|-----|
| ● | | 3.6, 4.5 | 3.10, 3.11, 3.12, 4.7, 4.8, 4.9, 5.7, 5.9, 6.6, 6.7 | |
| ⊙ | | 5.6 | 3.4, 4.4, 4.5, 5.6, 6.5 | |
| ○ | | | | |

#8 The Forest of S.T. Shrew

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------|---|-----|
| ● | | 4.5 | | |
| ⊙ | | 1.5, 3.6 | K.1, 1.1, 2.8, 3.4, 3.6 | |
| ○ | | K.7 | K.2, 1.2, 1.12, 2.2, 2.9, 3.9, 4.4, 4.6, 4.7, 5.5, 5.6, 5.7, 5.8, 5.9, 6.5, 6.6, 6.7 | |

#9 Planet Diversity

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|-----------------|---------------------------------|-----|
| ● | | 3.6, 4.1, 4.5 | | |
| ⊙ | 3.17, 4.14 | | 4.2, 4.6, 5.1, 5.2, 6.2, 6.6 | |
| ○ | 4.7 | 5.5, LS.8, LS.9 | | |

#10 Charting Diversity

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-----------|-------------------------|-----|
| ● | | 3.4, 3.6 | | |
| ⊙ | | 2.5, LS.9 | 4.9, 5.1, 5.9, 6.6, 7.9 | |
| ○ | | | | |

#11 Can It Be Real?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------|---|-----|
| ● | | 3.4, 4.5 | | |
| ⊙ | | LS.13 | 4.1, 4.2, 4.6, 5.1, 5.7, 6.2, 7.1, 7.6, 8.2, 8.6 | |
| ○ | | | 4.7, 5.8, 6.4, 6.6, 7.8, 8.7 | |

#12 Invasive Species

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------------------------------|---------------------------------------|---|-----|
| ● | | LS.7, LS.8 | | |
| ⊙ | | 6.7, 6.9, LS.6, LS.9, LS.10, LS.11 | 5.2, 5.6, 5.8, 5.9, 6.6, 6.9, 7.1, 7.6, 8.2, 8.6, 8.7 | |
| ○ | 5.4, 5.17, 6.17, 7.3, 7.11, 8.3 | LS.4 | 6.1, 6.2, 7.7, 8.4 | |

#13 We All Need Trees

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------------|---------------------|--|-----------------|
| ● | K.15, 1.16 | K.11, 1.8, 2.8, 4.9 | | |
| ⊙ | | 3.11 | 2.9, 4.1, 4.2, 5.1, 5.9, 6.5 | 2.7, 2.9, VS.10 |
| ○ | K.14, 3.17, 4.14 | 6.9 | K.1, 1.3, 2.2, 3.1, 4.1, 4.5, 5.1, 5.5, 6.1, 6.6 | 1.7, 3.7, VS.4 |

#14 Renewable or Not?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|-----------------------|---------|---------------------|
| ● | | 3.11, 4.9, 6.2, LS.11 | | CE.11 |
| ⊙ | | 6.9 | | VS.10, CE.12, CE.13 |
| ○ | 3.17, 4.14 | | | |

#15 A Few of My Favorite Things

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------|---------|-------|
| ● | | 3.11, 4.9, 6.2 | | |
| ⊙ | | LS.11 | | VS.10 |
| ○ | | 6.9 | | |

#16 Pass the Plants, Please

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--------------------|---------|-----------------------------|
| ● | 4.14 | | | 1.1 |
| ⊙ | 6.14 | K.7, 1.4, 2.8, 4.4 | | |
| ○ | | K.2, 3.1, 3.11 | | 1.12, 2.7, 3.7, VS.4, VS.10 |

#17 People of the Forest

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------|---|--------------|
| ● | | | 5.2, 5.4, 5.6, 5.7, 5.8, 6.5, 6.6, 6.7, 6.9, 7.6, 7.9, 8.6, 8.8 | |
| ⊙ | | 4.5 | | VS.4 |
| ○ | | 4.9, 6.9 | 5.1, 5.5, 7.7, 7.9, 8.7, 8.9 | USI.3, USI.5 |

#18 Tale of the Sun

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--------------------------|--|----------|
| ● | | 1.6, 2.5 | K.8, K.9 | K.2 |
| ⊙ | | K.10, 4.5 | K.1, K.2, 1.1, 1.2, 1.8, 1.9, 1.10, 1.13, 2.8, 2.9, 2.12, 2.13, 3.1, 4.1, 4.5, 5.1, 6.5 | USI.3 |
| ○ | | 1.7, 2.8, 3.11, 4.9, 6.8 | K.3, 1.3, 2.1, 2.2, 2.5, 2.6, 2.7, 3.3, 3.4, 3.5, 3.6, 4.5, 4.7, 4.9, 5.4, 5.5, 5.9, 6.1 | 2.2, K.6 |

#19 Viewpoints on the Line

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|--------------------|--|
| ● | | 6.9, LS.11 | 6.1, 6.2, 7.1, 8.1 | |
| ⊙ | | | | CE.9 |
| ○ | | | 7.2, 7.3 | CE.3, CE.5, CE.6, CE.7, CE.8, CE.13 |

#20 Environmental Exchange Box

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|---|-----------------------|
| ● | | 1.5, 4.9 | | |
| ⊙ | | 1.7, 2.8, 3.9, 4.5, LS.13 | | |
| ○ | | K.11, 1.8, 3.4, 3.7, 3.11, 5.6, 6.9 | K.11, 1.13, 2.12, 3.9, 3.11, 4.7, 4.8, 5.7, 5.8, 6.7, 6.9, 7.7, 7.9, 8.7, 8.8, 8.9 | 1.12, 2.2, VS.2, VS.4 |

#21 Adopt A Tree

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--|---|--|---------------|
| ● | | K.2, K.7, K.10, 1.4, 1.7, 2.4, 2.7, 4.4, 4.5 | | |
| ⊙ | K.8, K.10, 1.9, 2.11, 3.9, 4.7, 5.9, 6.6, 6.10 | K.1, K.6, 1.1, 1.8, 3.4, 4.9, LS.4, LS.5 | K.12, 1.13, 2.12, 3.9, 4.7, 5.7, 7.7, 8.7 | K.7, 2.7, 2.9 |
| ○ | 5.8 | LS.11 | K.2, 2.10, 3.7, 4.9, 6.6 | |

#22 Trees As Habitats

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--------------------------------------|--|---|-----|
| ● | | K.1, 1.1, 2.1, 2.5, 3.1, 3.5, 4.1, 4.5, LS.1, LS.6, LS.8 | | |
| ⊙ | K.14, 1.1, 2.19, 3.17, 5.15, 8.14 | K.2, K.7, 1.8, 4.9, LS.9 | K.1, K.2, 1.1, 1.2, 1.8, 1.11, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 5.1, 6.1, 7.1 | |
| ○ | 1.15, 4.14 | 1.4, 3.6, 4.4, LS.11 | K.11, K.12, 1.12, 2.12, 3.9, 3.11, 4.7, 5.7, 7.7, 8.7 | |

#23 The Fallen Log

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------------------------------|---|-----|
| ● | | 3.1, 3.5, 4.5, LS.1, LS.6, LS.8 | | |
| ⊙ | | 2.7, 3.7, 5.5, LS.10 | 3.1, 3.2, 3.9, 4.1, 4.7, 5.1, 5.7, 6.1, 7.1, 7.7, 8.7 | |
| ○ | | | | |

#24 Nature's Recyclers

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---|---|-----|
| ● | | K.1, K.7, K.10, 1.1, 1.5, 2.1, 2.4, 2.5, 3.1, 3.5, 3.7, 5.1, LS.1, LS.6, LS.8 | | |
| ⊙ | | 4.5, 5.5, LS.4, LS.10 | K.1, K.2, K.12, 1.1, 1.2, 1.13, 2.1, 2.2, 2.3, 2.12, 3.1, 3.2, 3.9, 4.1, 4.7, 5.1, 5.7, 6.1 | |
| ○ | | 2.7 | | |

#25 Birds and Worms

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------------------------|----------------------------------|---------|-----|
| ● | 4.14 | 3.1, 3.4, 3.5 | | |
| ⊙ | K.14, 2.19, 3.17, 6.14, 8.14 | 1.5, 2.7, 4.5, LS.8, LS.9, LS.10 | | |
| ○ | 1.15 | K.7 | | |

#26 Dynamic Duos

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|------------------------------|-----|
| ● | | LS.7, LS.8 | | |
| ⊙ | | 4.5, LS.9 | 4.6, 5.4, 5.5, 6.6, 7.6, 8.6 | |
| ○ | | | | |

#27 Every Tree For Itself

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|--|---------|-------|
| ● | | K.7, LS.7 | | |
| ⊙ | K.14, 6.10 | K.1, 1.1, 1.4, 2.1, 2.5, 3.1, 3.7, 3.9, 4.1, 4.4, LS.1, LS.5, LS.8 | | |
| ○ | | 2.7 | | VS.10 |

#28 Air Plants

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--------------------|--------------------------|---------|-------|
| ● | | 4.4, LS.5 | | |
| ⊙ | | 4.5, 5.5, 6.2, 6.3 | | |
| ○ | 4.3, 4.4, 5.4, 6.2 | 4.1, 5.1, 6.1, 6.6, LS.1 | | VS.10 |

#29 Rain Reasons

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-------------|---------|------------|
| ● | | LS.1, LS.6 | | |
| ⊙ | | LS.9, LS.11 | 6.6 | WG.1, WG.2 |
| ○ | 6.9 | | 7.1 | WG.4 |

#30 Three Cheers for Trees

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-----------------------------|---------|-----|
| ● | | | | 2.7 |
| ⊙ | | 1.8, 2.5, 2.8, 3.10, 4.9 | | |
| ○ | | | | |

#31 Plant a Tree

| | MATH | SCIENCE | ENGLISH | HSS |
|---|-----------------------------|--------------------------------|--|-------------------------------------|
| ● | | 1.4, 2.5, 2.8 | | |
| ⊙ | | 3.6, 3.10, 6.6, LS.6, LS.11 | 1.1, 1.8, 2.3, 2.12, 3.1, 3.9, 3.11, 4.1, 4.5, 4.7, 5.1, 5.5, 5.7, 5.9, 7.1, 7.9, 8.7 | |
| ○ | 2.10, 3.8, 5.4, 6.7, 8.3 | 4.9 | 6.7, 7.7, 7.9, 8.8 | K.7, 1.12, 2.7, 2.9, 3.10, VS.10 |

#32 A Forest of Many Uses

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-------------------------------|--------------------------------------|------------|
| ● | | 2.8, 6.9 | | |
| ⊙ | | 1.8, 3.6, 3.10, 4.9, LS.11 | 1.1, 1.3, 2.3, 3.1, 4.1, 5.1, 7.1 | 2.9, VS.10 |
| ○ | | | | VS.2 |

#33 Forest Consequences

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------------|-------------------------|----------------------------------|
| ● | | | | |
| ⊙ | | 6.9, LS.8, LS.11 | 6.5, 6.6, 7.1, 7.6, 8.6 | CE.3, CE.7, CE.8, CE.9, CE.12 |
| ○ | | | | |

#34 Who Works in this Forest?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------|--------------------|--------------|
| ● | | | | |
| ⊙ | | | 3.1, 3.6, 4.1, 5.1 | VS.4, USII.2 |
| ○ | | 3.10, 4.9, 6.9 | 4.6, 5.6, 6.6 | 3.8 |

#35 Loving It Too Much

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|--------------------|---------------------------------|
| ● | | | | |
| ⊙ | 8.13 | 6.9, LS.11 | | USII.2 |
| ○ | | 4.9 | 6.6, 7.1, 7.6, 8.6 | CE.3, CE.6, CE.7, CE.8, CE.9 |

#36 Pollution Search

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|------------------------------|-----------------------------|-----|
| ● | K.15, 1.16 | | K.8, K.9 | |
| ⊙ | 2.19, 3.17 | K.11, 1.8, 2.5, 3.10, 4.5 | K.1, 1.1, 1.9, 1.10, 2.8 | |
| ○ | | 3.6, 6.9 | 5.6, 6.6 | |

#37 Reduce, Reuse, Recycle

| | MATH | SCIENCE | ENGLISH | HSS |
|---|----------------------------|--------------------------------|---------------|-----|
| ● | | | | |
| ⊙ | 4.14, 5.15, 6.6, 6.14, 8.3 | 6.1, 6.9 | 6.6, 7.7, 8.3 | |
| ○ | 7.4 | 4.1, 4.5, 4.9, 5.1, 5.7, LS.11 | | |

#38 Every Drop Counts

| | MATH | SCIENCE | ENGLISH | SOCIAL STUDIES |
|---|-----------------------------------|-------------------------------------|-------------------------|-----------------------|
| ● | | 6.7 | | |
| ⊙ | 4.4, 5.4, 5.8, 6.6, 6.9, 7.3, 8.3 | 4.1, 4.5, 4.9, 6.1, 6.5, 6.9, LS.11 | 5.7, 5.8, 6.7, 7.7, 8.7 | USII.6, USII.9, CE.11 |
| ○ | 4.3 | LS.1 | | CE.13 |

#39 Energy Sleuths

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|--|--------------|
| ● | | 3.11 | | |
| ⊙ | | 6.2 | 4.2, 4.6, 4.7, 4.9, 5.2, 5.6, 5.8, 5.9, 6.2, 6.6, 6.7, 7.1, 7.6, 7.7, 7.9, 8.2, 8.6, 8.7 | 2.7 |
| ○ | | 6.9 | 7.3 | CE.11, CE.13 |

#40 Then and Now

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|---------|---|
| ● | | | 8.1 | |
| ⊙ | | 4.5, LS.11 | | |
| ○ | | 6.9 | | USI.3, USI.5, USI.8, USII.2, USII.4, USII.6, USII.9 |

#41 How Plants Grow

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--|-------------------------------------|--|-----|
| ● | | K.1, K.7, 1.4, 2.1, 2.5, 4.1, 4.4 | | |
| ⊙ | K.10, K.14, 1.9, 1.15, 2.11, 2.19, 3.17, 3.19, 4.7, 4.14, 5.8, 5.15, 6.9, 7.11, 8.13 | 2.8, 3.7, 3.9, 4.5, 6.3, LS.5, LS.6 | K.2 | |
| ○ | | K.9, K.10, 1.7, 2.7, 3.8, 3.10 | K.3, 1.1, 1.3, 2.3, 3.1, 4.1, 5.1, 7.1 | |

#42 Sunlight and Shades of Green

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-------------------------------|-------------------------|-----|
| ● | | 2.8, 4.4, LS.5 | | |
| ⊙ | | 3.9, 3.11, 6.3 | 4.4, 5.4, 6.4 | |
| ○ | | 1.4, 2.1, 3.1, 4.1, 6.1, LS.1 | 2.3, 3.1, 4.1, 5.1, 7.1 | |

#43 Have Seeds, Will Travel

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------|---|---|-----|
| ● | K.15, 1.16 | 1.4, 2.4, 4.4 | | |
| ⊙ | K.10, K.14 | K.1, K.2, 1.1, 2.1, 2.5, 4.1, 4.5, LS.4, LS.6 | | |
| ○ | | K.6, 1.7, 2.7, 2.8, 3.8 | K.3, 1.1, 1.2, 1.3, 2.3, 3.1, 4.1, 5.1, 7.1 | |

#44 Water Wonders

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--------------------------------------|------------------------------|-----|
| ● | | 3.9, 6.5, 6.7, LS.6 | | |
| ⊙ | | 3.8 | 3.9, 4.7, 5.7, 6.7, 7.7, 8.7 | |
| ○ | | 3.1, 3.10, 3.11, 4.1, 4.9, 6.1, LS.1 | 3.1, 4.1, 5.1, 7.1 | |

#45 Web of Life

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-----------------|-----------------------------------|-----|
| ● | | 4.5, LS.6, LS.8 | 7.7 | |
| ⊙ | 4.14 | | 4.1, 4.6, 4.9, 5.1, 6.6, 7.1, 7.6 | |
| ○ | | 5.6 | | |

#46 School Yard Safari

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|---|-----|
| ● | | K.1, K.2, 1.5, 2.5, 3.4, 3.6, 4.5 | | |
| ⊙ | | 1.1, 2.1, 3.1 | K.12 | |
| ○ | | K.7, K.9, K.10, 1.7, 2.4, 2.7, 3.7, 3.10, 4.1, 4.9 | K.3, 1.1, 1.3, 2.3, 2.10, 3.1, 3.7, 3.9, 4.1, 4.7, 4.9, 5.1, 5.7, 7.1 | |

#47 Are Vacant Lots Vacant?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|----------------------|--|--|-----|
| ● | | K.1, K.2, 1.1, 1.5, 2.1, 2.5, 3.1, 3.4, 3.6, 4.5 | | |
| ⊙ | 4.7, 5.8, 5.15, 6.10 | 4.1, LS.8 | 4.2, 5.2 | |
| ○ | | K.7, K.9, K.10, 1.7, 2.4, 2.7, 3.7, 3.10, LS.1 | K.3, 1.1, 1.3, 2.3, 3.1, 4.1, 5.1, 7.1 | 1.5 |

#48 Field, Forest, and Stream

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|------------------------------|-----|
| ● | | K.4, 1.1, 2.1, 2.5, 3.1, 3.6, 3.7, 4.1, 4.5, 6.7, LS.6 | | |
| ⊙ | 5.18 | 6.1, LS.1, LS.9 | 4.2, 5.2, 5.9, 7.1 | |
| ○ | | 1.7, 2.7, 3.4, 3.8, LS.8 | 1.1, 1.3, 2.3, 3.1, 4.1, 5.1 | |

#49 Tropical Treehouse

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|---|-------------------|
| ● | | 6.9, LS.11 | | CE.9 |
| ⊙ | | 3.6, 3.10, 4.5, LS.6, LS.7, LS.8, LS.9, LS.10, LS.13 | 3.6, 3.7, 3.9, 4.6, 5.7, 5.9, 6.4, 7.6 | CE.7, CE.8, CE.13 |
| ○ | | K.9, 2.5, 2.7, 3.5, 4.4, LS.5 | 6.1, 6.2, 7.1 | 3.6, CE.6 |

#50 400-Acre Wood

| | MATH | SCIENCE | ENGLISH | HSS |
|---|---|----------------------------|--------------------------------------|-----------------------------|
| ● | | 6.9, LS.8, LS.10, LS.11 | | |
| ⊙ | 6.8, 6.14, 7.3, 7.4, 7.11, 7.13, 8.3, 8.4, 8.13, 8.14, 8.15 | LS.1 | 6.2, 7.1, 7.6, 7.7, 8.2, 8.6, 8.7 | CE.1, CE.3, CE.11, CE.12 |
| ○ | 6.19 | LS.13 | 7.2, 7.7 | CE.6, CE.7, CE.8, CE.9 |

#51 Make Your Own Paper

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-----------------------------|--|--------------------|
| ● | | K.11, 3.3, 4.9 | | |
| ⊙ | | K.4, 1.8, 2.3, 2.8 | K.2, K.3, 1.1, 1.3, 2.3, 3.1, 4.1, 5.1, 7.1 | K.6, USII.6 |
| ○ | 2.11 | K.2, K.5, 3.10, 6.2, 6.9 | 8.1 | 1.7, 2.1, 2.3, 2.7 |

#52 A Look at Aluminum

| | MATH | SCIENCE | ENGLISH | HSS |
|---|----------|-----------------|---|-------------|
| ● | | | | |
| ⊙ | | 6.4, 6.9, LS.11 | | CE.4 |
| ○ | 5.4, 6.6 | 5.7, 6.2 | 5.1, 5.2, 5.7, 6.6, 6.7, 7.1, 7.2, 7.7, 7.9, 8.1, 8.7 | CE.3, CE.11 |

#53 On the Move

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--------------------|------------|-------------------------|--|
| ● | | | | K.3, K.4, K.5 |
| ⊙ | | 6.2 | | 1.1, 1.4, 1.6, 2.3, USII.2, USII.6, |
| ○ | 4.4, 5.4, 6.6, 8.3 | 6.9, PS.10 | 4.1, 4.2, 5.1, 5.2, 7.1 | VS.1, USII.9 |

#54 I'd Like to Visit a Place Where...

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|---|-------------------|
| ● | | | | |
| ⊙ | | 1.8, LS.11 | K.7, 1.6, 1.11, 3.3, 3.6, 6.7 | CE.3, CE.4, CE.13 |
| ○ | | 4.5, 4.9 | K.1, K.2, K.3, 1.1, 1.2, 1.3, 2.2, 2.3, 3.1, 4.1, 4.2, 4.7, 5.1, 5.7, 5.8, 6.1, 6.2, 6.8, 7.1, 7.7, 7.8, 8.1, 8.2, 8.7, 8.8 | 1.6, VS.2 |

#55 Planning the Ideal Community

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|-----------------------------------|-----------------------------------|
| ● | | | | K.4, K.5, 1.4, 1.5, 2.6, 2.7, 3.6 |
| ⊙ | | | 1.1, 2.3, 3.1, 4.1, 5.1, 6.1, 7.1 | K.3, 1.1, 1.7, USII.2 |
| ○ | | LS.11 | | 1.6, CE.3 |

#56 We Can Work It Out

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------|--|------------------|
| ● | | 6.9 | | CE.3, CE.4, CE.9 |
| ⊙ | | 4.5, 4.9 | 5.1, 5.2, 6.1, 6.2, 7.1, 7.2, 8.1, 8.2 | CE.8, CE.11 |
| ○ | | | | |

#57 Democracy In Action

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|-----------------------------------|------------------------------|
| ● | | | | CE.4, CE.5 |
| ⊙ | | 6.9 | 5.7, 5.9, 6.6, 7.7, 7.9, 8.3, 8.7 | CE.3, CE.6, CE.7, CE.8, CE.9 |
| ○ | | LS.11 | 5.4, 6.1, 7.1, 7.2, 7.3, 8.1 | |

#58 There Ought To Be a Law

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|---|------------------------------|
| ● | | | | 3.10, CE.3, CE.6, CE.7, CE.8 |
| ⊙ | | | | CE.4, CE.5 |
| ○ | | 6.9, LS.11 | 3.1, 3.7, 4.1, 4.9, 5.1, 5.9, 6.6, 7.1, 7.9 | CE.9 |

#59 Power of Print

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|---|-----|
| ● | | | | |
| ⊙ | | 6.9 | 3.6, 4.2, 5.6, 5.7, 5.9, 6.5, 6.6, 6.7, 7.5, 7.6, 7.7, 7.8, 7.9, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8 | |
| ○ | | | 3.7, 3.10, 4.4, 4.6, 4.7 | |

#60 Publicize It!

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|--|------------|
| ● | | | 7.3, 8.3 | |
| ⊙ | | 6.9 | 5.6, 5.7, 5.8, 5.9, 6.6, 6.7, 6.8, 7.6, 7.7, 7.8, 7.9, 8.6, 8.7, 8.8 | CE.3 |
| ○ | | | 5.4, 6.3, 7.5, 8.4 | CE.4, CE.9 |

#61 The Closer You Look

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|---------|-----|
| ● | | K.9, 2.4, 4.4 | | |
| ⊙ | | 1.4, LS.4 | | |
| ○ | | K.7, 1.7, 2.7, 2.8, 5.5, LS.3, LS.8 | | |

#62 To Be a Tree

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------------|---------|-----|
| ● | | 1.4, 4.4 | | |
| ⊙ | | K.7, 3.9, 4.5 | | |
| ○ | | 3.5, 3.7 | | |

#63 Tree Factory

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--------------------------------------|---------|-----|
| ● | | 4.4 | | |
| ⊙ | | 1.4, 3.5, 3.7, 3.8, 3.9, 4.5, 5.5 | | 2.7 |
| ○ | | | | |

#64 Looking At Leaves

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------------------|---------|-----|
| ● | | K.4, K.9, 1.4, LS.4 | | |
| ⊙ | | K.1, 1.1, 4.4 | | |
| ○ | | 4.5 | | |

#65 Bursting Buds

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---|---------|-----|
| ● | | K.1, K.4, K.10, 1.7, 3.8 | | |
| ⊙ | | 1.1, 1.4, 2.1, 2.4, 3.1, 3.6, 4.1, 4.4, 4.5, 5.1, 5.5, LS.4 | | |
| ○ | | LS.1 | | |

#66 Germinating Giants

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------------------------------|----------|---------|-----|
| ● | 4.6, 4.7, 5.4, 5.9 | | | |
| ⊙ | 4.4, 4.14, 6.2, 6.6, 6.10 | 4.1, 4.4 | | |
| ○ | 4.1, 5.8, 6.9 | | | |

#67 How Big Is Your Tree?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|---|--------------------------------------|---------|-----|
| ● | 1.9, 2.11, 3.4, 3.17, 4.7, 4.14, 5.4, 5.9, 7.4, 8.3, 8.14 | | | |
| ⊙ | K.14, 1.15, 3.9, 4.1, 4.4, 5.8, 6.9, 6.10 | 3.1, 3.6, 4.1, 4.5, LS.1, LS.4, LS.8 | | |
| ○ | 3.1, 4.3, 4.10, 5.15, 6.7 | 1.4, LS.6, LS.7, LS.10 | | |

#68 Name That Tree

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------------|---------|-----|
| ● | | 4.4, LS.4 | | |
| ⊙ | | 2.4, 4.9, 5.5 | | |
| ○ | | 2.7, 2.8, 3.8 | | |

#69 Forest for the Trees

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------------|-----------------------------------|-------------------------------|
| ● | | 4.9, 6.9, LS.11 | | |
| ⊙ | | 4.5, LS.8, LS.10 | | CE.11 |
| ○ | 8.3 | LS.7, LS.9 | 4.4, 4.6, 5.4, 6.1, 6.4, 7.1, 7.6 | CE.1, CE.7, CE.8, CE.9, CE.12 |

#70 Soil Stories

| | MATH | SCIENCE | ENGLISH | HSS |
|---|-------------------------|------------------------------|---|------|
| ● | 5.4, 5.15, 7.4, 8.3 | 3.7, 6.1 | 5.1, 5.2, 7.1 | |
| ⊙ | 3.9, 4.3, 5.8, 6.2, 6.6 | 5.7, 6.5, 6.7 | 6.2 | CE.4 |
| ○ | 6.1 | 6.9, LS.5, LS.6, LS.9, LS.11 | 5.2, 5.5, 5.6, 5.7, 6.1, 6.7, 7.2, 7.7, 8.6 | |

#71 Watch on Wetlands

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------------------------------|--------------------|-------------------------|
| ● | | 6.1, 6.7, LS.1, LS.9, LS.10, LS.11 | 7.1, 8.1 | |
| ⊙ | | 6.5, 6.9, LS.4, LS.6, LS.7 | 7.6, 7.7, 8.6, 8.7 | CE.3, CE.7, CE.8, CE.13 |
| ○ | | LS.8 | 7.3, 8.3 | CE.9 |

#72 Air We Breathe

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|--------------------|-----|
| ● | | 6.1 | | |
| ⊙ | | 6.6 | 6.6, 7.1, 7.6, 8.6 | |
| ○ | | 6.9 | 8.1 | |

#73 Waste Watchers

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--------------------|--------------------|---------|---------------|
| ● | | 6.2, 6.6, LS.11 | | |
| ⊙ | | 4.9, 6.1, 6.3, 6.9 | | USII.9, CE.11 |
| ○ | 4.4, 5.4, 6.7, 7.3 | LS.1 | | |

#74 People, Places, Things

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------------|---------|-------------------------|
| ● | | | | K.3, K.4, K.5, K.6, 1.7 |
| ⊙ | | 1.5, 1.8, 2.5 | | 1.5, 2.7 |
| ○ | | 3.10 | | K.7, 1.4, 2.3, 3.10 |

#75 Tipi Talk

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|---------|------------|
| ● | | | | USI.3 |
| ⊙ | | 4.5 | | 2.2, USI.2 |
| ○ | | 6.9, LS.11 | | |

#76 Tree Cookies

| | MATH | SCIENCE | ENGLISH | HSS |
|---|-------------------------|----------------------------------|--------------------|-----|
| ● | | 1.1, 1.7, 2.1, 2.7, 4.4, LS.3 | | |
| ⊙ | 1.1, 3.9, 4.6, 5.9, 6.9 | 1.4, 2.4, 2.5, 3.10, LS.7, LS.10 | 3.7, 4.9, 5.9, 6.6 | |
| ○ | | 1.5, 2.8, 3.5, 4.5, LS.8 | 1.12, 7.9 | |

#77 Trees In Trouble

| | MATH | SCIENCE | ENGLISH | HSS |
|---|--|---|--|-----|
| ● | | 1.1, 2.1, 4.1, LS.1 | | |
| ⊙ | 1.9, 2.11, 2.19, 3.9, 3.17, 4.7, 4.14, 5.8, 5.15, 8.13 | 1.4, 1.7, 2.4, 2.5, 2.7, 4.4, LS.7 | | |
| ○ | | 1.8, 2.8, 3.6, 3.9, 4.5, 4.9, 6.9, LS.10, LS.11 | 1.2, 2.2, 3.5, 4.6, 5.6, 6.6, 7.6, 8.6 | |

#78 Signs of Fall

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--|---|-----|
| ● | | K.10, 1.4, 1.7, 2.7, 4.4 | | |
| ⊙ | | K.1, K.4, K.7, K.9, 1.1, 2.1, 2.4, 3.1, 3.8, 4.1, LS.1, LS.4 | K.1, K.2, K.12, 1.1, 2.3, 3.5 | |
| ○ | | LS.5, LS.10 | 1.12, 3.1, 3.9, 4.1, 4.7, 5.1, 5.7, 6.7 | |

#79 Tree Lifecycle

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|--------------------|---------------|-----|
| ● | | K.7, 2.4, 3.8 | | |
| ⊙ | | K.9, 1.4, 3.5, 4.4 | | |
| ○ | | 1.7, 2.5, 3.7, 4.5 | 3.1, 4.1, 5.1 | |

#80 Nothing Succeeds Like Succession

| | MATH | SCIENCE | ENGLISH | HSS |
|---|---------------------------|--------------------------------------|------------------------------|-----|
| ● | | | | |
| ⊙ | 4.7, 4.14, 5.8, 5.15, 6.9 | 3.8, 4.1, 5.1, LS.1, LS.10, LS.11 | 3.5, 4.6, 5.6, 6.6, 7.6, 8.6 | |
| ○ | 3.9, 3.12, 3.19 | 3.6, 3.10, 4.5, 4.9, 5.5, LS.6, LS.7 | | |

#81 Living With Fire

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------------------------|---------------|-----|
| ● | | 3.10 | | |
| ⊙ | | 4.1, 4.5, LS.1, LS.10, LS.11 | | |
| ○ | | 4.6 | 4.9, 5.9, 6.6 | |

#82 Resource–Go–Round

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------|--------------------|----------------------|
| ● | | 3.11, 6.2 | | USII.2 |
| ⊙ | | | | 3.6, 3.7, 3.8, CE.12 |
| ○ | | 3.10, 4.9, 6.9 | 4.9, 5.9, 6.7, 7.9 | CE.11 |

#83 A Peek at Packaging

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|---------|---------------|
| ● | | | | |
| ⊙ | | LS.11 | | CE.9 |
| ○ | | | | USII.9, CE.11 |

#84 The Global Climate

| | MATH | SCIENCE | ENGLISH | HSS |
|---|----------|------------------------------|------------------------------|----------------------|
| ● | 8.13 | 6.1, 6.6, LS.6, LS.10, LS.11 | 7.1 | |
| ⊙ | 7.3, 8.3 | 6.9, LS.5 | 6.1, 6.2, 7.9, 8.2, 8.3, 8.6 | USII.9, CE.11 |
| ○ | 6.6 | PS.5, PS.7 | 8.1 | USII.4, USII.6, CE.9 |

#85 In the Driver's Seat

| | MATH | SCIENCE | ENGLISH | HSS |
|---|-------------------------|-------------------------------|---------|----------------|
| ● | | 6.1, 6.2 | | |
| ⊙ | 5.4, 5.8, 6.6, 6.7, 8.3 | | | USII.2, USII.9 |
| ○ | 5.16, 6.15, 7.11 | 6.6, LS.11, PS.1, PS.5, PS.10 | | |

#86 Our Changing World

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|-----------------------------|---------|------------|
| ● | | LS.10, LS.11 | | |
| ⊙ | | 6.6, 6.8, LS.6, LS.8, LS.13 | | USII.9 |
| ○ | | 5.6, 6.9, LS.9 | | CE.3, CE.9 |

#87 Earth Manners

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------------|--|-----------|
| ● | | 1.5 | | K.8 |
| ⊙ | | K.11, 1.8, 2.8, 3.10 | K.1, K.2, K.3, K.9, 1.1, 1.2, 1.3, 1.9, 2.1, 2.2, 2.3, 2.8, 3.1, 3.5, 4.1 | 1.1, 3.10 |
| ○ | | 1.4, 3.6, 4.9 | | |

#88 Life on the Edge

| | MATH | SCIENCE | ENGLISH | HSS |
|---|---------------------------|-------------------------------------|---------------------------------|--------------------|
| ● | | 3.6, 3.10, 4.5, 4.9, LS.8, LS.11 | | |
| ⊙ | | 3.4, 5.6, 6.9, LS.10, LS.13 | | |
| ○ | 3.17, 4.14, 5.15, 8.13 | | 3.7, 4.9, 5.9, 6.6, 7.9, 8.3 | CE.11, CE.13, CE.9 |

#89 Trees for Many Reasons

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------------|---|------------------------|
| ● | | 1.8, 2.5, 3.10 | | |
| ⊙ | | 2.8, 4.9, 6.9, LS.11 | 1.1, 1.9, 2.3, 2.8, 3.1, 3.5, 4.1, 5.1, 5.6, 6.1, 6.2, 6.6, 7.1, 7.6, 8.2, 8.6 | CE.11, CE.12, CE.13 |
| ○ | | 3.11 | 7.3 | 3.9, 3.10, CE.9 |

#90 Native Ways

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|----------------|--------------------------------------|-------------------------------|
| ● | | | 4.6, 5.6, 6.6, 7.6, 8.6 | VS.2, USI.3, USII.4, WHI.2 |
| ⊙ | | 4.5, LS.11 | 4.1, 4.5, 5.1, 5.9, 7.1, 7.9, 8.3 | |
| ○ | | 4.9, 6.9, LS.7 | 4.7, 8.7 | |

#91 In the Good Old Days

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|--|---------------|
| ● | | | | |
| ⊙ | | 6.9, LS.11 | 4.2, 4.7, 4.9, 5.2, 5.9, 6.5, 6.6, 6.7, 7.6, 7.7, 7.9, 8.5, 8.6, 8.7 | USII.9 |
| ○ | | 4.9 | | USI.8, USII.6 |

#92 A Look at Lifestyles

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|---|---|
| ● | | | | USI.3 |
| ⊙ | | 6.9, LS.11 | 4.1, 4.6, 4.9, 5.1, 5.5, 5.9, 6.1, 6.6, 7.1, 7.3, 7.6, 7.9, 8.3 | VS.1, VS.2, VS.9, USI.1, USI.8, USII.4 |
| ○ | | | | 3.8, 3.9, |

#93 Paper Civilizations

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|-------------------------|----------------|
| ● | | | | |
| ⊙ | | | 4.6, 5.6, 6.6, 7.6, 8.6 | USII.4, USII.6 |
| ○ | | 4.9 | | USII.9, WH1.3 |

#94 By the Rivers of Babylon

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|------------|--|--------------|
| ● | | | | |
| ⊙ | | 6.9, LS.11 | 5.1, 5.2, 5.6, 6.2, 6.6, 7.1, 7.6, 8.2 | WHI.1, WHI.3 |
| ○ | | 4.9 | 6.1 | 3.7 |

#95 Did You Notice?

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------------------------------|---|---------------------------------|
| ● | | | | K.2, 1.1 |
| ⊙ | | | K.1, K.2, K.3, K.12, 1.1, 1.2, 1.3, 2.2, 2.3, 3.1, 3.7, 4.1, 4.9, 5.9, 6.6, 7.9 | VS.9, USI.1, USII.1, USII.6 |
| ○ | | K.7, 3.10, 4.5, 4.9, 6.9, LS.11 | 8.1 | VS.1, VS.4, USI.5, USII.9, CE.1 |

#96 Improve Your Place

| | MATH | SCIENCE | ENGLISH | HSS |
|---|------|---------|---|------|
| ● | | | | |
| ⊙ | | 6.9 | 5.1, 5.2, 5.7, 6.2, 6.7, 7.1, 7.7, 8.2, 8.7 | CE.3 |
| ○ | | LS.11 | 8.1 | CE.4 |