

# Omaha PS Science Standards

## The Leopold Education Project

(Spring 2004-NRD)

### *Grade Pre-Kindergarten*

PK-01 –

PK-02 –

PK-03 –

PK-04 –

*(For Part I, each activity may be modified to meet the PK needs. Each standard can be met in each segment.)*

### *Kindergarten*

K-01 – *Come High Water (p.16-17)\**

*Draba and Bur Oak (p.18-20)\**

*Back From the Argentine (p. 24-27)\**

*Prairie Birthday (p. 36-39)\**

*The Green Pasture (p.40-42)\**

*The Choral Copse (p.43-46)\**

*Red Lanterns (p.53-56)\**

*Axe-In-Hand (p.60-62)\**

*\*\*A Mighty Fortress (p.63-66)\**

*Pines Above the Snow (p.70-73)\**

*\*\*65290 (p.74-77)\**

K-02 – *The Green Pasture (p.40-42)\**

*The Choral Copse (p.43-46)\**

*Smoky Gold (p.47-49)\**

*Red Lanterns (p.53-56)\**

*Axe-In-Hand (p.60-62)\**

*A Mighty Fortress (p.63-66)\**

*Home Range (p.67-69)\**

*\*\* Pines Above the Snow (p.70-73)\**

K-03 –

K-04 – *January Thaw (p. 1-5)\**

*Good Oak (p.6-11)\**

*The Geese Return (p.7-15)\**

*Sky Dance (p.21-23)\**

*The Alder Fork – A fishing Idyl (p.28-30)\**

*Prairie Birthday (p. 36-39)\**

*The Green Pasture (p.40-42)\**

*The Choral Copse (p.43-46)\**

*Smoky Gold (p.47-49)\**

*\*\*Red Lanterns (p.53-56)\**

*\*\*If I Were the Wind (p.57-59)\**

*\*\* Axe-In-Hand (p.60-62)\**

*A Mighty Fortress (p.63-66)\**  
*\*\* Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**  
K-05 – *\*\*The Choral Copse (p.43-46)\**  
*\*\*Too Early (p.50-52)\**  
*\*\* Red Lanterns (p.53-56)\**  
*\*\* If I Were the Wind (p.57-59)\**

*Grade 1*

1-01 – *January Thaw (p.1-5)\**  
*Good Oak (p.6-11)\**  
*The Geese Return (p.7-15)\**  
*Come High Water (p.16-17)\**  
*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
*Great Possessions (p. 31-35)\**  
*Prairie Birthday (p. 36-39)\**  
*The Choral Copse (p.43-46)\**  
*Smoky Gold (p.47-49)\**  
*Too Early (p.50-52)\**  
*Red Lanterns (p.53-56)\**  
*If I Were the Wind (p.57-59)\**  
*Axe-In-Hand (p.60-62)\**  
*A Mighty Fortress (p.63-66)\**  
*Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**  
1-02 – *January Thaw (p.1-5)\**  
*Good Oak (p.6-11)\**  
*The Geese Return (p.7-15)\**  
*Come High Water (p.16-17)\**  
*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
*\*\* Great Possessions (p. 31-35)\**  
*Prairie Birthday (p. 36-39)\**  
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*If I Were the Wind (p.57-59)\**  
*A Mighty Fortress (p.63-66)\**  
*\*\* Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**

65290 (p.74-77)\*

1-03 -

1-04 - *January Thaw* (p. 1-5)\*

*Good Oak* (p.6-11)\*

*The Geese Return* (p.7-15)\*

*Draba and Bur Oak* (p.18-20)\*

*Sky Dance* (p.21-23)\*

*Back From the Argentine* (p. 24-27)\*

*Prairie Birthday* (p. 36-39)\*

*The Alder Fork – A fishing Idyl* (p.28-30)\*

*The Choral Copse* (p.43-46)\*

*Red Lanterns* (p.53-56)\*

\*\* *If I Were the Wind* (p.57-59)\*

\*\* *Axe-In-Hand* (p.60-62)\*

*A Mighty Fortress* (p.63-66)\*

*Pines Above the Snow* (p.70-73)\*

65290 (p.74-77)\*

1-05 - \*\**Draba and Bur Oak* (p.18-20)\*

\*\* *If I Were the Wind* (p.57-59)\*

\*\* *Axe-In-Hand* (p.60-62)\*

\*\* *A Mighty Fortress* (p.63-66)\*

*Pines Above the Snow* (p.70-73)\*

## Grade 2

2-01 – *January Thaw* (p. 1-5)\*

*Good Oak* (p.6-11)\*

*The Geese Return* (p.7-15)\*

*Come High Water* (p.16-17)\*

*Draba and Bur Oak* (p.18-20)\*

*Sky Dance* (p.21-23)\*

*Back From the Argentine* (p. 24-27)\*

*The Alder Fork – A fishing Idyl* (p.28-30)\*

*Great Possessions* (p. 31-35)\*

*Prairie Birthday* (p. 36-39)\*

*The Choral Copse* (p.43-46)\*

*Smoky Gold* (p.47-49)\*

*Too Early* (p.50-52)\*

*Red Lanterns* (p.53-56)\*

*If I Were the Wind* (p.57-59)\*

*Axe-In-Hand* (p.60-62)\*

*A Mighty Fortress* (p.63-66)\*

*Home Range* (p.67-69)\*

*Pines Above the Snow* (p.70-73)\*

65290 (p.74-77)\*

2-02 – *January Thaw* (p. 1-5)\*

*Good Oak* (p.6-11)\*

*The Geese Return* (p.7-15)\*

*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
*Prairie Birthday (p. 36-39)\**  
*The Green Pasture (p.40-42)\**  
*The Choral Copse (p.43-46)\**  
*Too Early (p.50-52)\**  
*Red Lanterns (p.53-56)\**  
*If I Were the Wind (p.57-59)\**  
*Axe-In-Hand (p.60-62)\**  
*A Mighty Fortress (p.63-66)\**  
*Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**

2-03 – \*\* *Red Lanterns (p.53-56)\**  
\*\* *Axe-In-Hand (p.60-62)\**

2-04 – (Doing a variety of the following activities is recommended to meet this standard.)

*January Thaw (p. 1-5) \**  
*Good Oak (p.6-11)\**  
*The Geese Return (p.7-15)\**  
*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
*Prairie Birthday (p. 36-39)\**  
*The Choral Copse (p.43-46)\**  
*Smoky Gold (p.47-49)\**  
*Red Lanterns (p.53-56)\**  
*If I Were the Wind (p.57-59)\**  
*Axe-In-Hand (p.60-62)\**  
*A Mighty Fortress (p.63-66)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**

2-05 – *If I Were the Wind (p.57-59)\**  
\*\* *Axe-In-Hand (p.60-62)\**

Grade 3

3-01 – *January Thaw (p. 1-5)\**  
*Good Oak (p.6-11)\**  
*The Geese Return (p.7-15)\**  
*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
\*\* *Great Possessions (p. 31-35)\**

*Prairie Birthday (p. 36-39)\**  
*The Choral Copse (p.43-46)\**  
*Smoky Gold (p.47-49)\**  
*Too Early (p.50-52)\**  
*Red Lanterns (p.53-56)\**  
*If I Were the Wind (p.57-59)\**  
*Axe-In-Hand (p.60-62)\**  
*A Mighty Fortress (p.63-66)\**  
*Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**

3-02 – *January Thaw (p. 1-5)\**

*Good Oak (p.6-11)\**  
*The Geese Return (p.7-15)\**  
*Draba and Bur Oak (p.18-20)\**  
*Sky Dance (p.21-23)\**  
*Back From the Argentine (p. 24-27)\**  
*The Alder Fork – A fishing Idyl (p.28-30)\**  
*Great Possessions (p. 31-35)\**  
*The Green Pasture (p.40-42)\**  
*The Choral Copse (p.43-46)\**  
*Smoky Gold (p.47-49)\**  
*Too Early (p.50-52)\**  
*\*\* Red Lanterns (p.53-56)\**  
*If I Were the Wind (p.57-59)\**  
*Axe-In-Hand (p.60-62)\**  
*A Mighty Fortress (p.63-66)\**  
*Home Range (p.67-69)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**

3-03 -

3-04 – *Good Oak (p.6-11)\**

3-05 – *Draba and Bur Oak (p.18-20)\**

*Prairie Birthday (p. 36-39)\**  
*Smoky Gold (p.47-49)\**  
*\*\* If I Were the Wind (p.57-59)\**  
*A Mighty Fortress (p.63-66)\**  
*Pines Above the Snow (p.70-73)\**  
*65290 (p.74-77)\**

*Grade 4*

4-01 – *January Thaw (p. 1-5)*

*Good Oak (p.6-11)*  
*The Geese Return (p.7-15)*  
*Come High Water (p.16-17)*  
*Draba and Bur Oak (p.18-20)*  
*Sky Dance (p.21-23)*

*Back From the Argentine* (p. 24-27)  
*The Alder Fork – A fishing Idyl* (p.28-30)  
*Great Possessions* (p. 31-35)  
*Prairie Birthday* (p. 36-39)  
*The Choral Copse* (p.43-46)  
*Smoky Gold* (p.47-49)  
*Too Early* (p.50-52)  
*Red Lanterns* (p.53-56)  
*If I Were the Wind* (p.57-59)  
*Axe-In-Hand* (p.60-62)  
*A Mighty Fortress* (p.63-66)  
*Home Range* (p.67-69)  
*Pines Above the Snow* (p.70-73)  
*65290* (p.74-77)

4-02 – *January Thaw* (p. 1-5)  
*Good Oak* (p.6-11)  
*The Geese Return* (p.7-15)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *If I Were the Wind* (p.57-59)  
\*\* *Axe-In-Hand* (p.60-62)  
\*\* *Home Range* (p.67-69)  
\*\* *Pines Above the Snow* (p.70-73)  
\*\**65290* (p.74-77)

4-03 -  
4-04 – *January Thaw* (p. 1-5)  
*Good Oak* (p.6-11)  
*Come High Water* (p.16-17)  
\*\* *A Mighty Fortress* (p.63-66)  
\*\**65290* (p.74-77)

4-05 – (Part II & Part III)  
\*\* *Pines Above the Snow* (p.70-73)

#### Grade 5

5-01 – \*\* *January Thaw* (p. 1-5)  
\*\* *Good Oak* (p.6-11)  
\*\* *The Geese Return* (p.7-15)  
\*\* *Draba and Bur Oak* (p.18-20)  
\*\* *Sky Dance* (p.21-23)  
\*\* *Back From the Argentine* (p. 24-27)  
\*\* *The Alder Fork – A fishing Idyl* (p.28-30)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *The Choral Copse* (p.43-46)  
\*\* *Smoky Gold* (p.47-49)  
\*\* *Too Early* (p.50-52)  
\*\* *Red Lanterns* (p.53-56)  
\*\* *If I Were the Wind* (p.57-59)  
\*\* *A Mighty Fortress* (p.63-66)

\*\* *Home Range* (p.67-69)  
\*\* *Pines Above the Snow* (p.70-73)  
\*\*65290 (p.74-77)

5-02 – \*\* *January Thaw* (p. 1-5)  
\*\* *Back From the Argentine* (p. 24-27)  
\*\* *The Alder Fork – A fishing Idyl* (p.28-30)  
\*\* *Great Possessions* (p. 31-35)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *The Choral Copse* (p.43-46)  
\*\* *Smoky Gold* (p.47-49)  
\*\* *If I Were the Wind* (p.57-59)  
\*\* *Axe-In-Hand* (p.60-62)  
\*\* *A Mighty Fortress* (p.63-66)  
\*\* *Pines Above the Snow* (p.70-73)  
\*\*65290 (p.74-77)

5-03 -

5-04 – \*\* *January Thaw* (p. 1-5)  
\*\* *Good Oak* (p.6-11)  
\*\* *Draba and Bur Oak* (p.18-20)  
\*\* *Back From the Argentine* (p. 24-27)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *The Choral Copse* (p.43-46)  
\*\* *Axe-In-Hand* (p.60-62)  
\*\* *A Mighty Fortress* (p.63-66)  
\*\*65290 (p.74-77)

5-05 –

Grade 6

6-01 – \*\* *Come High Water* (p.16-17)  
\*\* *Draba and Bur Oak* (p.18-20)  
\*\* *Back From the Argentine* (p. 24-27)  
\*\* *The Alder Fork – A fishing Idyl* (p.28-30)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *Axe-In-Hand* (p.60-62)  
\*\* *A Mighty Fortress* (p.63-66)  
\*\* *Pines Above the Snow* (p.70-73)  
\*\*65290 (p.74-77)

6-02 – \*\* *Back From the Argentine* (p. 24-27)  
\*\* *Prairie Birthday* (p. 36-39)  
\*\* *A Mighty Fortress* (p.63-66)  
\*\* *Pines Above the Snow* (p.70-73)  
\*\*65290 (p.74-77)

6-03 -

6-04 – *Entire Unit*

6-05 –

Grade 7

7-01 – \*\* *Entire Unit*

7-02 – \*\* *Good Oak* (p.6-11)  
\*\**The Choral Copse* (p.43-46)

7-03 – *Entire Unit*

7-04 –

7-05 –

7-06 –*Entire Unit*

#### Grade 8

8-01 –

8-02 –

8-03 -

8-04 –

8-05 – \*\* *January Thaw* (p. 1-5)

\*\* *Draba and Bur Oak* (p.18-20)

\*\* *Back From the Argentine* (p. 24-27)

\*\* *Prairie Birthday* (p. 36-39)

\*\* *Pines Above the Snow* (p.70-73)

\*\*65290 (p.74-77)

8-06 –

#### Grade 9 Biology

B-01 – \*\* *Entire Unit*

B-02 –

B-03 -

B-04 –

B-05 – *Entire Unit*

B-06 – *Entire Unit*

#### Grade 10 Chemistry

C-01 – (Part II & Part III)

C-02 –

C-03 -

C-04 –

C-05 – \*\* (Part II & Part III)

C-06 –

#### Grade 11 Physics

P-01 –

P-02 – \*\* (Part II & Part III)

P-03 -

P-04 – *Entire Unit*

P-05 –

P-06 –

- \* May need modify to grade level, or extra assistance for better understanding
- \*\* Meets *part* of the standard

*The Leopold Education Project can be linked to each standard /objective. Encouraging students to extend their thinking in matters of how Science works together is highly encouraged with this project.*