

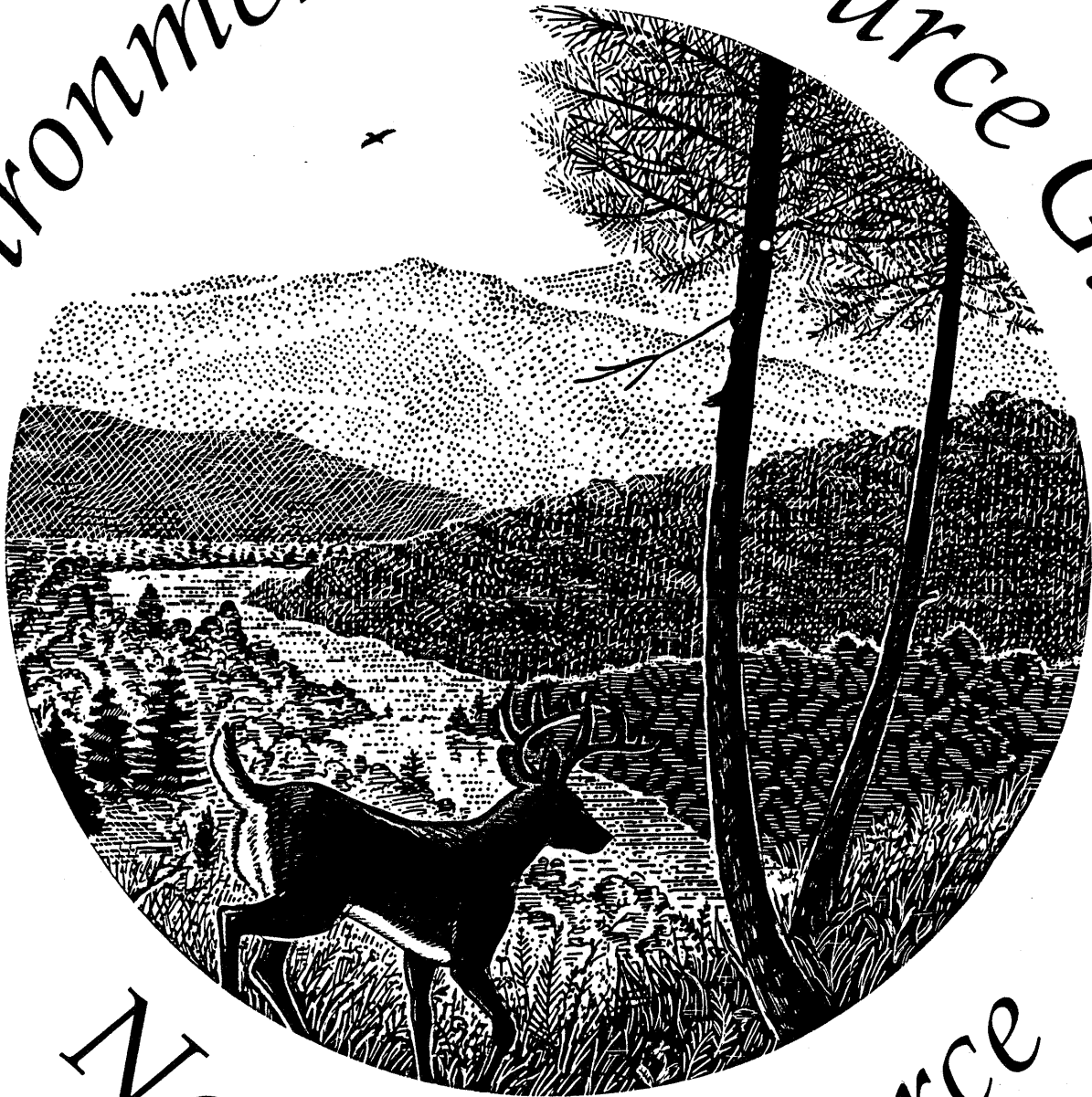


AIR & WASTE MANAGEMENT  
ASSOCIATION  
SINCE 1907

CORRELATION GUIDE

Grades 9-12

# Environmental Resource Guide



# Nonpoint Source Pollution Prevention



**CORRELATION OF AWMA ACTIVITIES TO NATIONAL SCIENCE STANDARDS BY GRADE LEVEL**

**ERG 9-12**

**National Science Standard 9-12 I. UNIFYING CONCEPTS & PROCESSES**

**A. SYSTEMS, ORDER, & ORGANIZATION**

| <b>MATURITY LEVEL</b> | <b>AWMA ACTIVITY</b>             | <b>ERG LOCATION</b> | <b>COR* SCALE</b> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | LINGO BINGO                      | NPS 9-12 (P.5)      | 3                 |
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 3                 |
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 2                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 3                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATHTAKING                     | NPS 9-12 (P.81)     | 2                 |
| 9-12th                | WASTED WATERS                    | NPS 9-12 (P.93)     | 3                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 2                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 2                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 3                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 2                 |
| 9-12th                | HOME IS WHERE THE HAZARD IS      | NPS 9-12 (P.151)    | 3                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 2                 |

**B. EVIDENCE, MODELS, & EXPLANATION**

| <b>MATURITY LEVEL</b> | <b>AWMA ACTIVITY</b>             | <b>ERG LOCATION</b> | <b>COR* SCALE</b> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 2                 |
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 3                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 1                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATHTAKING                     | NPS 9-12 (P.81)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 3                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 3                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 2                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 3                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 2                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 2                 |

**Correlation Scale:**

- 1= Activity accomplishes one major part of the National Science Standards.
- 2= Activity generally addresses the standard. Some additional course work needed.
- 3= Activity relates to the standard. Much additional course work needed.

**C. CHANGE, CONSTANCY & MEASUREMENT**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 3                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 2                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 1                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 1                 |
| 9-12th                | WASTED WATERS                    | NPS 9-12 (P.93)     | 1                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 3                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 3                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 3                 |

**D. EVOLUTION & EQUILIBRIUM**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------|---------------------|-------------------|
| 9-12th                | FED UP               | NPS 9-12 (P.55)     | 2                 |
| 9-12th                | BREATH TAKING        | NPS 9-12 (P.81)     | 3                 |
| 9-12th                | MINED OVER WATER     | NPS 9-12 (P.125)    | 3                 |

**E. FORM & FUNCTION**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 3                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 2                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 2                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    |                   |

**National Science Standard 9-12**

**II. SCIENCE AS INQUIRY**

**A. ABILITIES NECESSARY TO DO SCIENTIFIC INQUIRY**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 2                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 2                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 1                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 1                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |

**Correlation Scale:**

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- 3= Activity relates to the standard. Much additional course work needed.

**B. UNDERSTANDING ABOUT SCIENTIFIC INQUIRY**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 3                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |

**National Science Standard 9-12**

**III. PHYSICAL SCIENCE**

**A. STRUCTURE OF ATOMS**

| <u>MATURITY LEVEL</u>                     | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|---|----------------------|---------------------|-------------------|
| <i>No Adequate Correlation Identified</i> |                      |                     |                   |

**B. STRUCTURE & PROPERTIES OF MATTER**

| <u>MATURITY LEVEL</u>                     | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|---|----------------------|---------------------|-------------------|
| <i>No Adequate Correlation Identified</i> |                      |                     |                   |

**C. CHEMICAL REACTIONS**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------|---------------------|-------------------|
| 9-12th                | FED UP               | NPS 9-12 (P.55)     | 1                 |
| 9-12th                | BREATH TAKING        | NPS 9-12 (P.81)     | 2                 |
| 9-12th                | MINED OVER WATER     | NPS 9-12 (P.125)    | 2                 |
| 9-12th                | R.I.P. RAIN          | NPS 9-12 (P.131)    | 1                 |
| 9-12th                | LETHAL LOTS          | NPS 9-12 (P.139)    | 3                 |

**D. MOTIONS & FORCES**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | LINGO BINGO                      | NPS 9-12 (P.5)      | 3                 |
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 2                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 3                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 2                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 3                 |

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**E. CONSERVATION OF ENERGY**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|----------------------|-------------------------|-----------------------|
|---------------------------|----------------------|-------------------------|-----------------------|

*No Adequate Correlation Identified*

**F. INTERACTIONS OF ENERGY & MATTER**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|----------------------|-------------------------|-----------------------|
|---------------------------|----------------------|-------------------------|-----------------------|

*No Adequate Correlation Identified*

**National Science Standard 9-12**

**IV. LIFE SCIENCE**

**A. THE CELL**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|----------------------|-------------------------|-----------------------|
| 9-12th                    | <i>BREATH TAKING</i> | NPS 9-12 (P.81)         | 3                     |
| 9-12th                    | <i>WASTED WATERS</i> | NPS 9-12 (P.93)         | 3                     |

**B. MOLECULAR BASIS OF HEREDITY**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|----------------------|-------------------------|-----------------------|
|---------------------------|----------------------|-------------------------|-----------------------|

*No Adequate Correlation Identified*

**C. BIOLOGICAL EVOLUTION**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|----------------------|-------------------------|-----------------------|
|---------------------------|----------------------|-------------------------|-----------------------|

*No Adequate Correlation Identified*

**D. INTERDEPENDENCE OF ORGANISMS**

| <u>MATURITY<br/>LEVEL</u> | <u>AWMA ACTIVITY</u>                    | <u>ERG<br/>LOCATION</u> | <u>COR*<br/>SCALE</u> |
|---------------------------|---|-------------------------|-----------------------|
| 9-12th                    | <i>LINGO BINGO</i>                      | NPS 9-12 (P.5)          | 3                     |
| 9-12th                    | <i>WATERSHED WOES</i>                   | NPS 9-12 (P.19)         | 3                     |
| 9-12th                    | <i>POLLUTION P.I.</i>                   | NPS 9-12 (P.41)         | 2                     |
| 9-12th                    | <i>FED UP</i>                           | NPS 9-12 (P.55)         | 1                     |
| 9-12th                    | <i>IT'S SEDIMENTARY, MY DEAR WATSON</i> | NPS 9-12 (P.69)         | 2                     |

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**D. INTERDEPENDENCE OF ORGANISMS (Cont)**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>        | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|-----------------------------|---------------------|-------------------|
| 9-12th                | BREATH TAKING               | NPS 9-12 (P.81)     | 1                 |
| 9-12th                | WASTED WATERS               | NPS 9-12 (P.81)     | 2                 |
| 9-12th                | MINED OVER WATER            | NPS 9-12 (P.125)    | 3                 |
| 9-12th                | R.I.P. RAIN                 | NPS 9-12 (P.131)    | 3                 |
| 9-12th                | LETHAL LOTS                 | NPS 9-12 (P.139)    | 1                 |
| 9-12th                | HOME IS WHERE THE HAZARD IS | NPS 9-12 (P.151)    | 3                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER | NPS 9-12 (P.167)    | 3                 |
| 9-12th                | EEE-AYE-E.I.S.              | NPS 9-12 (P.179)    | 2                 |

**E. MATTER, ENERGY & ORGANIZATION IN LIVING SYSTEMS**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | LINGO BINGO                      | NPS 9-12 (P.5)      | 3                 |
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 3                 |
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 2                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 1                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 1                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 2                 |

**F. BEHAVIOR OF ORGANISMS**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------|---------------------|-------------------|
|-----------------------|----------------------|---------------------|-------------------|

*No Adequate Correlation Identified*

**National Science Standard 9-12****V. EARTH & SPACE SCIENCE****A. ENERGY IN THE EARTH SYSTEM**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>           | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|--------------------------------|---------------------|-------------------|
| 9-12th                | SLIP SLIDIN' AWAY              | NPS 9-12 (P.101)    | 3                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO | NPS 9-12 (P.115)    | 3                 |

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## B. GEOCHEMICAL CYCLES

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 1                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 3                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 3                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 3                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 3                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 3                 |
| 9-12th                | HOME IS WHERE THE HAZARD IS      | NPS 9-12 (P.151)    | 3                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 3                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 3                 |

## C. ORIGIN & EVOLUTION OF EARTH SYSTEM

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>            | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|---------------------------------|---------------------|-------------------|
| 9-12th                | WATERSHED WOES                  | NPS 9-12 (P.19)     | 2                 |
| 9-12th                | IT'S SEDIMENTARY MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |

## D. ORIGIN & EVOLUTION OF THE EARTH

| <u>MATURITY LEVEL</u>                     | <u>AWMA ACTIVITY</u> | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|---|----------------------|---------------------|-------------------|
| <i>No Adequate Correlation Identified</i> |                      |                     |                   |

## National Science Standard 9-12

## VI. SCIENCE & TECHNOLOGY

### A. ABILITIES OF TECHNOLOGICAL DESIGN

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>        | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|-----------------------------|---------------------|-------------------|
| 9-12th                | POLLUTION P.I.              | NPS 9-12 (P.41)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY           | NPS 9-12 (P.101)    | 3                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER | NPS 9-12 (P.167)    | 3                 |
| 9-12th                | EEE-AYE-E.I.S.              | NPS 9-12 (P.179)    | 3                 |

### B. UNDERSTANDING ABOUT SCIENCE & TECHNOLOGY

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>            | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|---------------------------------|---------------------|-------------------|
| 9-12th                | IT'S SEDIMENTARY MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY               | NPS 9-12 (P.101)    | 3                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO  | NPS 9-12 (P.115)    | 2                 |
| 9-12th                | MINED OVER WATER                | NPS 9-12 (P.125)    | 3                 |

#### Correlation Scale:

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**A. PERSONAL & COMMUNITY HEALTH**

| <b>MATURITY</b> |                      | <b>ERG</b>      | <b>COR*</b>  |
|-----------------|----------------------|-----------------|--------------|
| <b>LEVEL</b>    | <b>AWMA ACTIVITY</b> | <b>LOCATION</b> | <b>SCALE</b> |
| 9-12th          | WASTED WATERS        | NPS 9-12 (P.93) | 3            |

**B. POPULATION GROWTH**

| <b>MATURITY</b> | <b>ERG</b>           | <b>COR*</b>     |              |
|-----------------|----------------------|-----------------|--------------|
| <b>LEVEL</b>    | <b>AWMA ACTIVITY</b> | <b>LOCATION</b> | <b>SCALE</b> |
| 9-12th          | WASTED WATERS        | NPS 9-12 (P.93) | 3            |

**C. NATURAL RESOURCES**

| <b>MATURITY</b> |                                  | <b>ERG</b>       | <b>COR*</b>  |
|-----------------|----------------------------------|------------------|--------------|
| <b>LEVEL</b>    | <b>AWMA ACTIVITY</b>             | <b>LOCATION</b>  | <b>SCALE</b> |
| 9-12th          | LINGO BINGO                      | NPS 9-12 (P.5)   | 3            |
| 9-12th          | WATERSHED WOES                   | NPS 9-12 (P.19)  | 2            |
| 9-12th          | POLLUTION P.I.                   | NPS 9-12 (P.41)  | 2            |
| 9-12th          | FED UP                           | NPS 9-12 (P.55)  | 2            |
| 9-12th          | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)  | 2            |
| 9-12th          | BREATH TAKING                    | NPS 9-12 (P.81)  | 2            |
| 9-12th          | WASTED WATERS                    | NPS 9-12 (P.93)  | 2            |
| 9-12th          | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101) | 2            |
| 9-12th          | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115) | 3            |
| 9-12th          | MINED OVER WATER                 | NPS 9-12 (P.125) | 2            |
| 9-12th          | R.I.P. RAIN                      | NPS 9-12 (P.131) | 2            |
| 9-12th          | LETHAL LOTS                      | NPS 9-12 (P.139) | 2            |
| 9-12th          | HOME IS WHERE THE HAZARD IS      | NPS 9-12 (P.151) | 2            |
| 9-12th          | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167) | 2            |
| 9-12th          | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179) | 2            |

**D. ENVIRONMENTAL QUALITY**

| <b>MATURITY</b> |                                 | <b>ERG</b>       | <b>COR*</b>  |
|-----------------|---------------------------------|------------------|--------------|
| <b>LEVEL</b>    | <b>AWMA ACTIVITY</b>            | <b>LOCATION</b>  | <b>SCALE</b> |
| 9-12th          | LINGO BINGO                     | NPS 9-12 (P.5)   | 3            |
| 9-12th          | WATERSHED WOES                  | NPS 9-12 (P.19)  | 2            |
| 9-12th          | POLLUTION P.I.                  | NPS 9-12 (P.41)  | 2            |
| 9-12th          | FED UP                          | NPS 9-12 (P.55)  | 1            |
| 9-12th          | IT'S SEDIMENTARY MY DEAR WATSON | NPS 9-12 (P.69)  | 2            |
| 9-12th          | BREATH TAKING                   | NPS 9-12 (P.81)  | 1            |
| 9-12th          | WASTED WATERS                   | NPS 9-12 (P.93)  | 2            |
| 9-12th          | SLIP SLIDIN' AWAY               | NPS 9-12 (P.101) | 2            |
| 9-12th          | ALL MESSED UP & NO PLACE TO GO  | NPS 9-12 (P.115) | 2            |
| 9-12th          | MINED OVER WATER                | NPS 9-12 (P.125) | 2            |
| 9-12th          | R.I.P. RAIN                     | NPS 9-12 (P.131) | 2            |
| 9-12th          | LETHAL LOTS                     | NPS 9-12 (P.139) | 1            |
| 9-12th          | HOME IS WHERE THE HAZARD IS     | NPS 9-12 (P.151) | 2            |
| 9-12th          | THE GRASS IS ALWAYS CLEANER     | NPS 9-12 (P.167) | 2            |
| 9-12th          | EEE-AYE-E.I.S.                  | NPS 9-12 (P.179) | 1            |

**SCIENCE IN PERSONAL & SOCIAL PERSPECTIVES (Cont)**

**E. NATURAL & HUMAN-INDUCED HAZARDS**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | LINGO BINGO                      | NPS 9-12 (P.5)      | 3                 |
| 9-12th                | WATERSHED WOES                   | NPS 9-12 (P.19)     | 2                 |
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 2                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 1                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | BREATH TAKING                    | NPS 9-12 (P.81)     | 1                 |
| 9-12th                | WASTED WATERS                    | NPS 9-12 (P.93)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | ALL MESSED UP & NO PLACE TO GO   | NPS 9-12 (P.115)    | 2                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 2                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 2                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 2                 |
| 9-12th                | HOME IS WHERE THE HAZARD IS      | NPS 9-12 (P.151)    | 2                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 1                 |

**F. SCIENCE & TECHNOLOGY IN LOCAL, NATIONAL, & GLOBAL CHALLENGES**

| <u>MATURITY LEVEL</u> | <u>AWMA ACTIVITY</u>             | <u>ERG LOCATION</u> | <u>COR* SCALE</u> |
|-----------------------|----------------------------------|---------------------|-------------------|
| 9-12th                | POLLUTION P.I.                   | NPS 9-12 (P.41)     | 2                 |
| 9-12th                | FED UP                           | NPS 9-12 (P.55)     | 2                 |
| 9-12th                | IT'S SEDIMENTARY, MY DEAR WATSON | NPS 9-12 (P.69)     | 2                 |
| 9-12th                | WASTED WATERS                    | NPS 9-12 (P.93)     | 2                 |
| 9-12th                | SLIP SLIDIN' AWAY                | NPS 9-12 (P.101)    | 2                 |
| 9-12th                | MINED OVER WATER                 | NPS 9-12 (P.125)    | 1                 |
| 9-12th                | R.I.P. RAIN                      | NPS 9-12 (P.131)    | 1                 |
| 9-12th                | LETHAL LOTS                      | NPS 9-12 (P.139)    | 1                 |
| 9-12th                | HOME IS WHERE THE HAZARD IS      | NPS 9-12 (P.151)    | 1                 |
| 9-12th                | THE GRASS IS ALWAYS CLEANER      | NPS 9-12 (P.167)    | 2                 |
| 9-12th                | EEE-AYE-E.I.S.                   | NPS 9-12 (P.179)    | 1                 |

**Correlation Scale:**

- 1= Activity accomplishes one major part of the National Science Standards.
- 2= Activity generally addresses the standard. Some additional course work needed.
- 3= Activity relates to the standard. Much additional course work needed.

National Science Standard 9-12 VIII. HISTORY & NATURE OF SCIENCE

**A. SCIENCE AS A HUMAN ENDEAVOR**

**MATURITY  
LEVEL**

**AWMA ACTIVITY**

**ERG  
LOCATION**

**COR\*  
SCALE**

*No Adequate Correlation Identified*

**B. NATURE OF SCIENTIFIC KNOWLEDGE**

**MATURITY  
LEVEL**

**AWMA ACTIVITY**

**ERG  
LOCATION**

**COR\*  
SCALE**

*No Adequate Correlation Identified*

**C. HISTORICAL PERSPECTIVES**

**MATURITY  
LEVEL**

**AWMA ACTIVITY**

**ERG  
LOCATION**

**COR\*  
SCALE**

*No Adequate Correlation Identified*

**\*Correlation Scale:**

- 1= Activity accomplishes one major part of the National Science Standards.
- 2= Activity generally addresses the standard. Some additional course work needed.
- 3= Activity relates to the standard. Much additional course work needed.

