



## Satellite Meteorology for Grades 7-12

### Wisconsin Science Standards Addressed:

Wisconsin's Model Academic Standards for Science (WI Department of Public Instruction, 1998)  
<http://www.dpi.state.wi.us/dpi/standards/sciintro.html>

#### **Module 1: Introduction to Satellite Meteorology**

<b>A</b> - Science Connections	A.8.4, A.8.5 A12.1
<b>B</b> - Nature of Science	B.8.1, B8.2, B8.5, B8.6 B12.1, B12.2, B12.4
<b>D</b> - Physical Science	D.8.9, D.12.11
<b>F</b> - Life and Environmental Science	F.8.9
<b>G</b> - Science Applications	G.8.1, G.8.2, G.8.3, G.8.7 G12.1, G12.4

#### **Module 2: Weather Satellites and Orbits**

<b>A</b> - Science Connections	A.8.1, A.8.2, A8.3, A8.5 A.12.1, A.12.3, A.12.5
<b>B</b> - Nature of Science	B.8.1, B.8.2, B.8.5 B.12.1, B.12.3, B12.4, B12.5
<b>C</b> - Science Inquiry	C.8.1, C.8.4, C.8.5, C.12.5
<b>D</b> - Physical Science	D.8.1, D.8.4, D.8.5, D8.6, D8.7, D.8.8, D.12.1, D.12.3, D.12.12
<b>E</b> - Earth and Space Science	E.8.7, E.8.8, E.12.5
<b>G</b> - Science Applications	G.8.2 G 12.4
<b>H</b> - Science and Social Perspectives	H.8.3, H.12.7

#### **Module 3: The Electromagnetic Radiation**

<b>A</b> - Science Connections	A.8.4, A.8.6, A8.8 A.12.3, A.12.5
<b>B</b> - Nature of Science	B.8.2, B.8.3, B.12.1, B.12.3, B12.5
<b>C</b> - Science Inquiry	C.8.1, C.8.5, C.12.5
<b>D</b> - Physical Science	D.8.7, D.8.8, D.8.9 D.12.9, D.12.11
<b>E</b> - Earth and Space Science	E.8.7, E.8.8, E 8.9 E.12.1
<b>G</b> - Science Applications	G.8.2 G 12.4

### **Module 4: Cloud Identification**

<b>A</b> - Science Connections	A.8.6
<b>D</b> - Physical Science	D.8.5, D.8.9, D.12.5, D 12.11
<b>E</b> - Earth and Space Science	E.8.1

### **Module 5: Satellite Images**

<b>A</b> - Science Connections	A.8.3, A.12.3,
<b>B</b> - Nature of Science	B.12.5
<b>C</b> - Science Inquiry	C.8.1, C.8.2, C.8.3,C8.4, C8.5, C8.8 C.12.5
<b>D</b> - Physical Science	D.8.8
<b>E</b> - Earth and Space Science	E.8.1, E.8.3, E.12.1
<b>G</b> - Science Applications	G.8.3 G 12.4

### **Module 6: Satellite Winds**

<b>A</b> - Science Connections	A.8.1, A.8.6, A8.7 A.12.1, A.12.3, A.12.5, A12.6
<b>B</b> - Nature of Science	B.8.3, B12.5
<b>C</b> - Science Inquiry	C.8.1, C.8.2, C.8.5, C.8.11 C.12.1, C12.3, C12.4, C.12.5
<b>D</b> - Physical Science	D.8.6, D.8.9 D.12.7, D.12.11
<b>E</b> - Earth and Space Science	E.8.1
<b>G</b> - Science Applications	G.8.6, G8.7 G 12.4

### **Module 7: Wild Weather**

<b>A</b> - Science Connections	A.8.6
<b>D</b> - Physical Science	D.8.5, D.8.9, D.12.5, D 12.11
<b>E</b> - Earth and Space Science	E.8.1

## **Module 8: Monitoring the Global Environment**

<b>A</b> - Science Connections	A.8.1, A.8.2, A8.3, A8.6, A8.8 A.12.1, A.12.2, A.12.3, A12.4, A12.5A.12.6, A12.7
<b>B</b> - Nature of Science	B.8.3, B.8.6, B.12.3,
<b>C</b> - Science Inquiry	C.8.1, C.8.2, C.8.4, C.8.5, C.8.7, C.8.8, C.8.9 C8.10, C8.11 C.12.1, C12.2, C12.5, C12.6
<b>D</b> - Physical Science	D.8.1, D.8.4, D.8.5, D8.6, D8.7, D.8.8, D.12.8, D.12.9, D.12.11, D.12.12
<b>E</b> - Earth and Space Science	E.8.1, E.8.3, E.8.4, E.8.6 E.12.1, E12.4
<b>F</b> – Life and Environmental Science	F.8.10 F 12.8
<b>G</b> - Science Applications	G.8.3, G.8.7 G 12.2, G 12.3, G 12.4, G 12.5
<b>H</b> - Science and Social Perspectives	H.8.1, H.8.2 H.12.1, H.12.2, H.12.4, H.12.5, H.12.6, H.12.7