



Satellite Meteorology for Grades 7-12

<http://cimss.ssec.wisc.edu/satmet/>

Wisconsin Science Standards Addressed*

Module 1.) Introduction to Satellite Meteorology

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

Module 2.) Weather Satellites and Orbits

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

Module 3.) The Electromagnetic Spectrum

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

Module 4.) Cloud Identification

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

Module 5.) Satellite Images

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

Module 6.) Satellite Winds

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

Module 7.) Wild Weather

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

Module 8.) Monitoring the Global Environment

A - 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 - Nature of Science	B.8.3, B.8.6, B.12.3,
C - 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
D - 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
E - Earth and Space Science	E.8.1, E.8.3, E.8.4, E.8.6 E.12.1, E12.4
F – Life and Environmental Science	F.8.10 F 12.8
G - Science Applications	G.8.3, G.8.7 G 12.2, G 12.3, G 12.4, G 12.5
H - 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

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