# THE FOLLOWING **VIDEO** HAS BEEN APPROVED FOR ALL AUDIENCES BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA , INC



### • I can define weather

- I can name the 3 scales for temperature & how to use the ESRT chart
- I can name the instrument used to measure temperature
- I can describe air pressure & use the ESRT
- I can name the instruments used to measure pressure
- I can explain how moisture in the air affects ensity & pressure



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#### Temp is ....



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|   |  | Pressure  |
|---|--|---|
|   | ESRT pg 13   | milibars inches   |
|   | A REAL PROPERTY AND A REAL PROPERTY A REAL PRO | 1040.0 2 30.70  |
|   |  | 1036.0 30.60  |
| ł |  | 1032.0-1002.0-1002.0-1002.0-1002.0-1002.0-1002.0-1002.0-1002.0000.0-1002.0000.0000 |
|   | 1013.2 mb = <u>29.92</u> inches  | 1000 0 - 30.40  |
|   |  | 1 20.30   |
|   |  | 1024.0 - 30.20  |
|   | 1022.8 mb = <u>30.20</u> inches  | 1020.0 30.10  |
|   |  | 1016.0 = 30.00  |
|   |  | One atmosphere  |
|   | 30.53 inches = <u>1034.0</u> mb  | 1012.0  |
|   |  | 1008.0  |
|   |  | 1004.0 = 29.70  |
|   | 29.81 inches = <u>1009.5</u> mb  | 29.60   |
| 2 |  | 1000.0 = 29.50  |
|   |  | 996.0 29.40   |
| 1 |  | 992.0   |
| 1 |  | ÷   |

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