| Smart Skies | | | |
|---|---|---|---|
| **2004 Science** | | | |
| **Performance Standards** | | | |
| **Georgia Science** | | | |
| **Grade 5** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.5.S5CS8.a | Scientific investigations may take many different forms, including observing what things are like or what is happening somewhere, collecting specimens for analysis, and doing experiments. |
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| **Smart Skies** | | | |
| **2004 Science** | | | |
| **Performance Standards** | | | |
| **Georgia Science** | | | |
| **Grade 6** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.6.S6CS3.a | Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers and decimals. |
| Fly by Math | GA | SCI.6.S6CS3.d | Draw conclusions based on analyzed data. |
| Fly by Math | GA | SCI.6.S6CS8.a | When similar investigations give different results, the scientific challenge is to judge whether the differences are trivial or significant, which often requires further study. Even with similar results, scientists may wait until an investigation has been repeated many times before accepting the results as meaningful. |
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| **Smart Skies** | | | |
| **2004 Science** | | | |
| **Performance Standards** | | | |
| **Georgia Science** | | | |
| **Grade 7** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.7.S7CS3.a | Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers, fractions, decimals, and percents. |
| Fly by Math | GA | SCI.7.S7CS3.b | Use the mean, median, and mode to analyze a set of scientific data. |
| Fly by Math | GA | SCI.7.S7CS3.d | Draw conclusions based on analyzed data. |
| Fly by Math | GA | SCI.7.S7CS8.a | When similar investigations give different results, the scientific challenge is to judge whether the differences are trivial or significant, which often requires further study. Even with similar results, scientists may wait until an investigation has been repeated many times before accepting the results as meaningful. |
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| **Smart Skies** | | | |
| **2004 Science** | | | |

| Performance Standards | | | |
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| **Georgia Science** | | | |
| **Grade 8** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.8.S8CS3.a | Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers, fractions, decimals, and percents. |
| Fly by Math | GA | SCI.8.S8CS3.b | Find the mean, median, and mode and use them to analyze a set of scientific data. |
| Fly by Math | GA | SCI.8.S8CS8.a | When similar investigations give different results, the scientific challenge is to judge whether the differences are trivial or significant, which often requires further study. Even with similar results, scientists may wait until an investigation has been repeated many times before accepting the results as meaningful. |
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| **Smart Skies** | | | |
| **2004 Science** | | | |
| **Performance Standards** | | | |
| **Georgia Science** | | | |
| **Grades 9-12 (Physical Science)** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.9-12.PS.SCSh3.c | Collect, organize and record appropriate data. |
| Fly by Math | GA | SCI.9-12.PS.SCSh3.e | Develop reasonable conclusions based on data collected. |
| Fly by Math | GA | SCI.9-12.PS.SCSh8.b | Scientific researchers are expected to critically assess the quality of data including possible sources of bias in their investigations' hypotheses, observations, data analyses, and interpretations. |
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| **Smart Skies** | | | |
| **2004 Science** | | | |
| **Performance Standards** | | | |
| **Georgia Science** | | | |
| **Grades 9-12 (Physics)** | | | |
| **Activity/Lesson** | **State** | **Standards** | |
| Fly by Math | GA | SCI.9-12.P.SCSh3.c | Collect, organize and record appropriate data. |
| Fly by Math | GA | SCI.9-12.P.SCSh3.e | Develop reasonable conclusions based on data collected. |
| Fly by Math | GA | SCI.9-12.P.SCSh8.b | Scientific researchers are expected to critically assess the quality of data including possible sources of bias in their investigations' hypotheses, observations, data analyses, and interpretations. |
| Fly by Math | GA | SCI.9-12.P.SP1.c | Compare graphically and algebraically the relationships among position, velocity, acceleration, and time. |

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| Line Up with Math | GA | SCI.9-12.P.SP1.c | Compare graphically and algebraically the relationships among position, velocity, acceleration, and time. |