

Back to school for success in student achievement kit:

Grade 5 Science

1. **Teacher Resources –Essential tools for planning, teaching, and assessment– What resources should be at the teacher’s fingertips?**
 - a. **Grade 5 Science Course Descriptions and Instructional Resources (CPALMS.org)**
 - i. Course Descriptions
 1. Grade 5 Science_
<http://www.cpalms.org/Public/PreviewCourse/Preview/13069>
 2. Grade 5 Access Science_
<http://www.cpalms.org/Public/PreviewCourse/Preview/12872>
 - ii. Grade 5 Science Standards and Instructional Resources – Teacher, Student, Parent
<http://www.cpalms.org/Public/PreviewCourse/Preview/13069>
 - iii. Grade 5 Access Standards and Instructional Resources – Teacher, Student, Parent
<http://www.cpalms.org/Public/PreviewCourse/Preview/12872>
 - b. **Grade 5 Science Text Books – State approved**
 - i. Discovery Education, Discovery Education Science for Elementary, Discovery Education, 2010/1
 - ii. Houghton Mifflin Harcourt Publishing Company, Florida Science Fusion, DiSpezio, et al, 2012/First
 - iii. National Geographic School Publishing, Hampton-Brown, National Geographic Science, Florida Edition
 - iv. Pearson Education, Inc., publishing by Scott Foresman, Florida Interactive Science, Padilla et al, 2012/1
 - c. **Course Maps and Sample Course Pacing Guides – District Samples**
<http://www.fldoe.org/academics/standards/toolkits/sci-resources.stml>
 - d. **Grade 5 District Recommended Essential Labs**
<http://www.fldoe.org/academics/standards/toolkits/sci-resources.stml>
 - e. **Laboratory Safety Information and Recommendations_**
<http://fldoe.org/academics/standards/subject-areas/math-science/science/safety-in-science.stml>
 - f. **Grade 5 Science FCAT 2.0 Assessment Assistance**
 - i. Test Item Specifications_
<http://www.fldoe.org/core/fileparse.php/5682/urlt/0077913-fl09g5sci.pdf>
 - ii. Science FCAT 2.0 Sample Questions and Answer Key Books_
http://www.fldoe.org/core/fileparse.php/5663/urlt/Grade5Science_STM_TestBook.pdf
http://www.fldoe.org/core/fileparse.php/5663/urlt/Grade5Science_STM_AnswerKey.pdf
 - iii. Content Focus Report_
<http://fldoe.org/core/fileparse.php/5668/urlt/2015ScienceContentFocus.pdf>
 - iv. Achievement Levels and Descriptions_

<http://www.fldoe.org/core/fileparse.php/3/urlt/sciencegrade5.pdf>

- v. Accommodations for Florida’s Statewide Student Assessments:
<http://www.fldoe.org/core/fileparse.php/7690/urlt/statewideassessmentaccommodations.pdf>
2. **Student Resources – Grade 5 Science Recommended Student Materials, Tools and Resources – What resources should be at the student’s fingertips?**
 - a. **Science Student Tutorials**
<http://www.floridastudents.org/#>
 - b. **Student Lab Safety Contract (see page 11 of the laboratory safety manual):**
<http://fldoe.org/core/fileparse.php/9958/urlt/2015-safety-in-science.pdf>
 - c. **Student Supplies**
<http://www.fldoe.org/academics/standards/toolkits/math-resources.stml>
 3. **Classroom Resources and Recommendations – What should the classroom look like?**
 - a. **Recommended technology**
<http://www.fldoe.org/academics/standards/toolkits/sci-resources.stml>
 - b. **Recommended supplies, equipment & materials**
<http://www.fldoe.org/academics/standards/toolkits/sci-resources.stml>
 4. **Instructional Resources – What should instruction look like?**
 - a. **Classroom observation tools**
<http://www.fldoe.org/teaching/performance-evaluation/instructional.stml>
 - b. **Understanding the Value Added Model (VAM)**
<http://www.fldoe.org/about-us/division-of-educator-quality.stml>
 - c. **Science note taking and literacy support**
<http://www.fldoe.org/academics/standards/subject-areas/literacy/>
 - d. **Specific laws, guidelines, and recommended best practices in the lab (See page 37 in the laboratory safety manual)**
<http://fldoe.org/core/fileparse.php/9958/urlt/2015-safety-in-science.pdf>
 - e. **Grade 5 Science English Language Learners Assistance**
<http://www.cpalms.org/uploads/docs/standards/eld/SC.pdf>
 - f. **Myths and Truths for Educators regarding Florida’s Multi-Tiered System of Supports**
<http://www.florida-rti.org/educatorResources/myths/index.htm>
 - g. **Learning Science – an online K-12 resource of free web interactives to assist students with interactive ways of grasping concepts**
<http://www.learningscience.org/sciasinq.htm>

- h. Demonstrating Reading Comprehension-** a two page handout on reading supports for students who struggle with reading, including students with disabilities
<http://www.tlc-mtss.com/assets/cd2014/data/ent-demonstraing-reading-comprehension.pdf>

- i. Science Writer** – a great online tool to support students who struggle with writing, in writing science papers
<http://sciencewriter.cast.org>

- j. Assistive Technology and Universal Design for Learning Newsletter**
<http://www.tlc-mtss.com/resources.html>

- k. Universal Design for Learning**
<http://www.tlc-mtss.com/assets/udl-infographic.jpg>

- l. Selecting Accommodations: Guidance for Individual Educational Plan Teams**
<http://www.fldoe.org/core/fileparse.php/7690/urlt/0070064-selectingaccommodations.pdf>