

Crest Memorial School Curriculum and Pacing Guide

All activities correspond with marking period essential questions. Activity goes with question as do the the corresponding standards, modifications, accommodations, assessments and 21st century learning skills.

Grade: Kindergarten

Subject: Technology

Adoption Date: 9/01/15

Revision Date: November 2018

	MP1	MP2	MP3	MP4
Scope and Sequence	<ol style="list-style-type: none"> 1. How can I remember the parts of a computer? (2 weeks). 2. How can I apply knowledge of computer parts to use an app on the computer? (2 weeks) 3. How can I understand how to use a computer (3 weeks). 4. How can create an algorithm? (2 weeks) 	<ol style="list-style-type: none"> 1. How can create an algorithm or program? (6 weeks) 2. How can I apply the features of a computer make writing easier? (2 weeks) 3. How can I apply knowledge of a computer to write and save my work? (2 weeks) 	<ol style="list-style-type: none"> 1. How can I create an engineered product? (3 weeks) 2. How can I create a document? (7 weeks) 	<ol style="list-style-type: none"> 1. How can I create a program using loops? (6 weeks) 2. How can I apply navigational tools to use a geographical positioning program? (4 weeks)
Instructional Materials	iMac computers, Photobooth, internet, Code.org Course A	iMac computers, internet, Code.org Course A, word processing program (Pages).	iMac computers, Tinkercad website, 3D printer; work processing program (Pages).	iMac computers, Code.org Course A, Google Earth
Activities	<ol style="list-style-type: none"> 1. Practice logging in/off computers. 2. Open and use Photobooth. 3. Navigate to internet sites with educational games to practice using keys. 4. “Unspotted Bugs,” story, Code.org Course A. 	<ol style="list-style-type: none"> 1. Code.org Fundamentals Course A: online computer programming. 2. & 3. Create holiday cards. 	<ol style="list-style-type: none"> 1. Use an engineering program, Tinkercad, to create a shamrock. 2. Create an ABC book using letters and images to illustrate. 	<ol style="list-style-type: none"> 1. Write blocky code to solve puzzles using programming loops. 2. Use Google Earth to find student homes and various locations in the community.
Standards	<p>Activity One: 8.1.2.A.1, 8.2.2.A.1, 8.2.2.A2, 8.2.2.A3</p> <p>Activity Two: 8.1.2.A.4, 8.2.2.A.4</p> <p>Activity Three: 8.1.2.A.4, 8.2.2.A.1, 8.2.2.A2,</p>	<p>Activity One: 8.2.2.E1-5, 8.1.2.A.4</p> <p>Activities Two & Three: 8.1.2.A.2, 8.2.2.A.4, LA.K.W.K.6</p>	<p>Activity One: 8.2.2.C.1, 8.2.2.D.1, 8.2.2.D.1-5, 8.2.2.E.1-5, 8.1.2.A.4</p> <p>Activity Two: 8.1.2.A.2, 8.2.2.A.4, LA.K.W.K.6</p>	<p>Activity One: 8.2.2.E1-5, 8.1.2.A.4</p> <p>Activity Two: 8.2.2.D.3, 8.1.2.B.1, 8.1.2.A.5, 8.1.2.E.1, 8.1.2.F.1, 8.1.2.A.4</p>

	8.2.2.E.2 Activity Four: 8.2.2.E1-5			
Accommodations and Modifications	<p>All Activities:</p> <p>English language learners: Assign a buddy, use of visual aids.</p> <p>At Risk of School Failure: Adjust time for completion, chunk assignments</p> <p>Gifted and Talented Students: Provide independent learning activities, mentor/teach other students</p> <p>Students with 504 plans: Reduced amount of work, visually or hearing impaired seated close to Smartboard.</p>	<p>All Activities:</p> <p>English language learners: Assign a buddy, use of visual aids.</p> <p>At Risk of School Failure: Adjust time for completion, chunk assignments</p> <p>Gifted and Talented Students: Provide independent learning activities, mentor/teach other students</p> <p>Students with 504 plans: Reduced amount of work, visually or hearing impaired seated close to Smartboard.</p>	<p>All Activities:</p> <p>English language learners: Assign a buddy, use of visual aids.</p> <p>At Risk of School Failure: Adjust time for completion, chunk assignments</p> <p>Gifted and Talented Students: Provide independent learning activities, mentor/teach other students</p> <p>Students with 504 plans: Reduced amount of work, visually or hearing impaired seated close to Smartboard.</p>	<p>All Activities:</p> <p>English language learners: Assign a buddy, use of visual aids.</p> <p>At Risk of School Failure: Adjust time for completion, chunk assignments</p> <p>Gifted and Talented Students: Provide independent learning activities, mentor/teach other students</p> <p>Students with 504 plans: Reduced amount of work, visually or hearing impaired seated close to Smartboard.</p>
Interdisciplinary Connections	All Activities: Science	Activity One: Science Activities Two & 3: Language Arts	Activity 1: Science Activity 2: Language Arts	Activities 1 & 2: Science
Assessments	<p>Formative assessments Teacher observation</p> <p>Summative assessments Skills checklist.</p>	<p>Formative assessments Teacher observation:</p> <p>Summative assessments: Skills checklist, Code.org progress indicator.</p>	<p>Formative assessments Teacher observation</p> <p>Summative assessments 3D printing rubric, skills checklist:</p>	<p>Formative assessments Teacher observation</p> <p>Summative assessments: Code.org progress indicator, skills checklist.</p>
21st Century Themes and Skills	<p>All Activities: CRP1. Act as a responsible and contributing citizen and employee. CRP2. Apply appropriate academic and technical skills. CRP4. Communicate clearly and effectively and with reason. CRP6. Demonstrate creativity and innovation. CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. CRP9. Model integrity, ethical leadership and effective management. CRP11. Use technology to enhance productivity. CRP12. Work productively in teams while using cultural global competence.</p>	<p>All Activities: CRP1. Act as a responsible and contributing citizen and employee. CRP2. Apply appropriate academic and technical skills. CRP4. Communicate clearly and effectively and with reason. CRP6. Demonstrate creativity and innovation. CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. CRP9. Model integrity, ethical leadership and effective management. CRP11. Use technology to enhance productivity. CRP12. Work productively in teams while using cultural global competence.</p>	<p>All Activities: CRP1. Act as a responsible and contributing citizen and employee. CRP2. Apply appropriate academic and technical skills. CRP4. Communicate clearly and effectively and with reason. CRP6. Demonstrate creativity and innovation. CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. CRP9. Model integrity, ethical leadership and effective management. CRP11. Use technology to enhance productivity. CRP12. Work productively in teams while using cultural global competence.</p>	<p>All Activities: CRP1. Act as a responsible and contributing citizen and employee. CRP2. Apply appropriate academic and technical skills. CRP4. Communicate clearly and effectively and with reason. CRP6. Demonstrate creativity and innovation. CRP8. Utilize critical thinking to make sense of problems and persevere in solving them. CRP9. Model integrity, ethical leadership and effective management. CRP11. Use technology to enhance productivity. CRP12. Work productively in teams while using cultural global competence.</p>