

















# Technology-Connected Lesson Plan

<b>Title:</b>	<b>Jelly Bean's Galore</b>
Grade Levels:	3-4
Curriculum Areas:	<ul style="list-style-type: none"> <li> Language Arts</li> <li> Mathematics</li> <li> Technology Integration</li> </ul>
Measurable Objectives:	<ul style="list-style-type: none"> <li> TSW learn about the origins of the Jelly Bean.</li> <li> TSW complete a Scavenger Hunt using the <a href="http://www.jellybelly.com">www.jellybelly.com</a> website.</li> <li> TSW create a bar graph using information collected about jelly beans.</li> </ul>
LA Content Standards:	<ul style="list-style-type: none"> <li> Language Arts: Students locate, select, and synthesize information from a variety of texts, media, references, and technological source acquire and communicate knowledge.</li> <li> Mathematics: In problem-solving investigations, students discover trends, formulate conjectures regarding cause-and-effect relationships, and demonstrate critical thinking skills in order to make informed decisions.</li> </ul>
Grade Level Expectations (GLE)	<ul style="list-style-type: none"> <li> Locate information using organizational features of a variety of resources, including: electronic information such as pull-down menus, icons, keyword searches, passwords, and entry menu features printed text such as indices, tables of contents, glossaries, charts, captions, chapter headings and subheadings the Dewey Decimal system electronic and online catalogs (ELA-5-E1)</li> <li> Locate information using organizational features of a variety of resources, including: electronic information such as keyword searches, passwords, and entry menu features print materials such as indices, glossaries, table of contents, title pages, and map legends (ELA-5-E1)</li> <li> Use keywords and phrases to take notes from oral, written, and electronic media sources (ELA-5-E3)</li> <li> Identify categories and sort objects based on qualitative (categorical) and quantitative (numerical) characteristics (D-1-E)</li> <li> Represent and solve problems using data from a variety of sources (e.g., tables, graphs, maps, advertisements) (D-3-E)</li> <li> Summarize information and relationships revealed by patterns or</li> </ul>

	<p>trends in a graph, and use the information to make predictions (D-1-E)</p> <ul style="list-style-type: none"> <li>☞ Analyze, describe, interpret, and construct various types of charts and graphs using appropriate titles, axis labels, scales, and legends (D-2-E) (D-1-E)</li> </ul>
K12 Educational Technology Standards:	<ul style="list-style-type: none"> <li>☞ <b>Technology Productivity Tools (<i>Resource Access and Utilization Foundation Skill</i>)</b> <ul style="list-style-type: none"> <li>◆ Students use technology tools to enhance learning, increase productivity, and promote creativity.</li> <li>◆ Students use productivity tools to work collaboratively in developing technology-rich, authentic, student-centered products.</li> </ul> </li> <li>☞ <b>Basic Operations and Concepts</b> <ul style="list-style-type: none"> <li>◆ Students demonstrate a sound understanding of the nature and operation of technology systems.</li> <li>◆ Students are proficient in the use of technology.</li> </ul> </li> </ul>
Technology Connection:	<ul style="list-style-type: none"> <li>☞ <b><i>TV/Computer/Scan Converter</i></b></li> <li>☞ <b><i>VCR</i></b></li> <li>☞ <b><i>Internet</i></b></li> </ul>
Procedures:	<ul style="list-style-type: none"> <li>☞ TTW begin the lesson by discussing the origins of the Jelly Bean. TTW allow students to discuss the time of year when Jelly Beans are popular.</li> <li>☞ TSW view an 8 minute video that takes viewers behind the scenes to watch how jelly beans are prepared, tested, shaped, finished, and shipped. (Video obtained from <a href="http://www.jellybelly.com">www.jellybelly.com</a> )</li> <li>☞ After viewing the video, TTW display a jar filled with jelly beans. TTW ask the students to estimate the amount of jelly beans in the jar. These estimates will be recorded for later use.</li> <li>☞ TTW tell the students that today they are going on a scavenger hunt using the internet and the Jelly Belly website. TTW display the Scavenger Hunt on the TV/Computer/Scan Converter. TTW demonstrate the directions while students follow. TSW rotate to the computers with the timer set to complete their Jelly Belly scavenger hunts. TSW complete their answers on a handout.</li> <li>☞ While students are working at the computers, TS at their desks will each be given a Ziploc bag containing jelly beans. TTW hand out a jelly bean sorting sheet copied from <a href="http://www.teach-nology.com/worksheets/science/sort/3/">http://www.teach-nology.com/worksheets/science/sort/3/</a></li> <li>☞ TTW explain to the students they are going to sort jelly</li> </ul>

	<p>beans by colors and then each students will make a bar graph. Each student will be given a piece of graph paper <a href="http://www.incompetech.com/beta/plainGraphPaper/custom/centimeter-black.pdf">http://www.incompetech.com/beta/plainGraphPaper/custom/centimeter-black.pdf</a> copied from this website. TSW complete the information about their jelly beans and create a bar graph using their information. While students are working at the computers, TTW allow students to eat their jelly beans.</p> <ul style="list-style-type: none"> <li>☞ Students will share their graphs with the class.</li> <li>☞ After the lesson is complete, TTW tell the students the exact number of Jelly Beans in the jar. TS with the closest estimate will win a bag of Jelly Belly Jelly bean.</li> </ul>
<p><b>Materials:</b></p>	<ul style="list-style-type: none"> <li>☞ Jelly Beans</li> <li>☞ Jar with jelly beans</li> <li>☞ Handouts</li> <li>☞ Scavenger Hunt</li> </ul>
<p><b>Assessment:</b></p>	<ul style="list-style-type: none"> <li>☞ Completed Scavenger Hunt</li> <li>☞ Completed Graph</li> </ul>
<p><b>Teacher's Name:</b></p>	<ul style="list-style-type: none"> <li>☞ Melanie A. Johnston</li> </ul>
<p><b>School:</b></p>	<ul style="list-style-type: none"> <li>☞ Independence Elem./ Loranger Elem.</li> </ul>