

Video/Computer resources for each chapter in The 14th Goldfish by Jennifer L Holm

Chapter	Online resource link	Description/connection
Preread Chapter 1	https://www.youtube.com/watch?v=r5-YktNq6wc	Goldfish swimming to "Cannon" You can make an endless loop of a youtube video of goldfish to play on the smartboard as students come in to class to build suspense and mystery. Why the goldfish?
Chapter 2 Puzzles	https://www.youtube.com/watch?v=9Wv9jrk-gXc http://www.brainpop.com/health/diseasesinjuriesandconditions/alzheimersdisease/	"What is Alzheimer's Disease?" 3min 18 sec animated video which explains the progression of Alzheimers. BrainPop: Alzheimer's Disease Connection: Ellie's babysitter tells a story of a neighbor with the disease being brought home by police when they discover that Mom is at police station to get grandpa.
Chapter 4 Magician	http://www.brainpop.com/science/scientificinquiry/nobelprize/	BrainPop: The Nobel Prize
Chapter 5 Jellyfish	https://www.youtube.com/watch?v=1bBND17RAvw&list=PLRuBSBoHveTnRiYJo1waXvlovT2tAcz51#t=43 http://www.nytimes.com/2014/10/26/magazine/my-search-for-the-fountain-of-youth.html?_r=1 http://www.cnn.com/2014/08/28/world/asia/can-immortal-jellyfish-unlock-everlasting-life/index.html?sr=sharebar_twitter https://www.youtube.com/watch?v=U4uCBd4mu3Y https://www.youtube.com/watch?v=eMOKXkw5TKc	<i>Ask History: Is there really a fountain of youth?</i> History channel 2 min 24 sec <i>NY Times article: "Searching for the Fountain of Youth"</i> (Thanks, Mrs. DiLorenzo) <i>Does 'immortal' jellyfish have the secret to everlasting life?</i> CNN article and slideshow about Japanese jellyfish that reverts back to polyp when injured. <i>Can this Jellyfish Live Forever?</i> Discovery News video 2min48sec (although end is ad for other videos) <i>The Jellyfish That Holds a Key to Immortality</i> 11min34sec Subtitled in English, follows Japanese scientist mentioned in video above
Chapter 6 Crispy Corn Dog	http://www.wikihow.com/Survive-Middle-School#Making_Friends_sub	WikiHow <i>How to Survive Middle School: Making Friends</i> List of 9 ways to make friends in your new middle school. Addresses common anxieties about middle school. Other sections address avoiding trouble, academics, improving

	https://www.youtube.com/watch?v=9ip2d7JbB-k	<p>yourself, (This is not a video)</p> <p>Teenage girl gives advice about surviving middle school. Short section about friendships begins at 6min.</p>
Chapter 7 Our Town	https://www.youtube.com/watch?v=l8WSysB5vKM&index=2&list=RDdru6CbihapQ https://www.youtube.com/watch?v=ykrB0YbvglA	<p>Two songs showing the confrontation between Javert and Valjean from Les Miserables (the Hugh Jackman/Russell Crowe movie)</p> <p>Connection: Ellie's Dad is touring as Javert in a production of Les Mis.</p>
Chapter 8 The Possible	http://www.pbs.org/wgbh/as/ontheedge/polio/ https://www.youtube.com/watch?v=H6NkM61HIB8 https://www.youtube.com/watch?v=erHXKP386Nk https://www.youtube.com/watch?v=swPdkPmlEpk https://www.youtube.com/watch?v=1GuSQFAMckQ&list=PLJicmE8fK0EhVa0WT8BnaTjdsuQrk2Jro&index=46 https://www.youtube.com/watch?v=0uaguGZKx_0	<p>PBS A Science Odyssey: <i>On the Edge: Paralyzing Polio</i> Online comic to read about polio and the work of Dr. Salk</p> <p><i>NHD 2009: Jonas Salk: The Man Who Saved the Children</i> 10 min video Biography of Salk, with many photographs from the time. Connection; Shows how he tried out the vaccine on himself (and his family) just as grandpa took his own compound</p> <p><i>Could you patent the sun?</i> 1 min 3 sec video. Actual footage of Salk making his famous comment when giving away the formula for the vaccine for free</p> <p><i>Jonas Salk's legacy</i> 3min 13 sec The Salk Institute's tribute to Salk on the occasion of his 100th birthday - this month: Oct. 28, 2014</p> <p>TEDeD talk: Polio is almost completely eradicated. But as Bruce Aylward says: Almost isn't good enough with a disease this terrifying. Aylward lays out the plan to continue the scientific miracle that ended polio in most of the world -- and to snuff it out everywhere, forever.</p> <p>Moonshots live in the gray area between audacious technology and pure science fiction. Instead of a mere 10% gain, a moonshot aims for a 10x improvement over what currently exists. The combination of a huge problem, a radical solution to that problem, and the breakthrough technology that just might make that solution possible, is the essence of a moonshot. Thanks to Mrs. Croft</p>
Chapter 9 Fruit	https://www.youtube.com/watch?v=buL3h-ofloA https://www.youtube.com/watch?v=g-ycQufrgK4	<p>Cartoon about Galileo</p> <p>TED talk: Published on Jul 11, 2013</p> <p>Over 85 percent of all pancreatic cancers are diagnosed late, when someone has less than two percent chance of survival. How could this be? Jack Andraka talks about how he</p>

	https://www.youtube.com/watch?v=SoTzYPiQ68I	<p>developed a promising early detection test for pancreatic cancer that's super cheap, effective and non-invasive -- all before his 16th birthday. (thanks to Mrs. DiLorenzo)</p> <p>Making the Impossible Possible Story of Thailand's football clubs started off in a little floating village with no football grounds. This video shows how to "make impossible possible". (Thanks to Mrs. Burns)</p>
Chapter 10	http://www.history.com/topics/world-war-ii/trinity-test/videos/manhattan-project	<p><i>History Channel: Manhattan Project Video</i> 4 min Focus on why and how US developed project.</p>
Chapter 11	http://www.brainpop.com/science/energy/mariecurie/prereview.weml https://www.youtube.com/watch?v=3KmjSkuJws4	<p>BrainPop: Marie Curie</p> <p>Marie Curie Biography Bio with archival photos of Marie Curie</p>
Chapter 12	http://www.brainpop.com/health/geneticsgrowthanddevelopment/aging/ https://www.youtube.com/watch?v=_H9citCL46M http://www.nytimes.com/interactive/2014/10/23/magazine/old-masters-at-top-of-their-game.html	<p>BrainPop: Aging Connection: Young grandpa shares that he has discovered the fountain of youth - a cure for aging.</p> <p>90 Years Old in Less than 3 Minutes 2:52 A man uses video technology to morph photos of a family member from a toddler to 90 years old from still photos.</p> <p>"Old Masters at the Top of their Game" by Erik Heck New York times 10/23/14. Old age is still super productive for these famous folks who still do amazing work. (Thanks, Mrs. DiLorenzo)</p>
Chapter 13 Ankh	http://www.brainpop.com/search/search.weml?keyword=mummy	<p>BrainPop: Mummies: How the Ancient Egyptians Buried Their Dead</p>
Chapter 14 Cheese	http://www.brainpop.com/technology/scienceandindustry/pasteurization/ https://www.youtube.com/watch?v=0OmWbRKW4K8	<p>BrainPop: Pasteurization 2min 51 sec</p> <p>History of Pasteurization</p>

	http://video.about.com/frenchfood/Cog-au-Vin-Recipe.htm https://www.youtube.com/watch?v=n6wpNhyreDE	<p>How to Cook Coq-au-Vin (About.com) 3min02sec Chef demonstrates how to make the dish that Ellie and Grandpa cook.</p> <p><i>The Chemistry of Cookies: Stephanie Warren TedEd</i> 4 min 29 sec. There is a full lesson at the TedEd website http://ed.ted.com/lessons/the-chemistry-of-cookies-stephanie-warren Thanks, Mr. Braman</p>
Chapter 15 Lab Assistant	http://www.themint.org/kids/saving-and-earning-interest.html Then http://www.themint.org/kids/compounding-calculator.html https://www.youtube.com/watch?v=aWu5HP_y13M	<p>Saving and Earning Interest from TheMint.org Explains earning interest to children. Click on the Compound Interest Calculator link to explore how much money you can make over time.</p> <p>Connection: Grandpa tells Ellie "I have plenty of money. Start saving now. Compound interest is a wonderful thing." It is how he can hire Raj.</p> <p>Biomedical Sciences Lab Assistant A day in the life of a lab assistant in the School of Biomedical Sciences, Newcastle See what a lab assistant with a research biologist might do.</p>
Chapter 16 Slippers	https://www.youtube.com/watch?v=kIJcD6HyeOg	<p><i>Carl and Ellie: A Love Story</i> from the movie up: Silent animated film of the relationship of a couple, then of her death as an old woman. Connection: In this chapter they go back to Grandpa's apartment and find memories of grandma. Her room is still there and her slippers are in the room: Grandpa misses her.</p>
Chapter 17 Law of Friendship	https://www.youtube.com/watch?v=QmzzYXv8FBY	<p><i>Mock trailer: The Catcher in the Rye</i> by high school student Daniel Woods. (Tell students they'll probably read this book in High School) Grandpa reading <i>Catcher in Rye</i>, dislikes it. Raj likes it</p>
Chapter 18 Degrees	http://kidshealth.org/kid/talk/yucky/burp.html http://kidshealth.org/kid/talk/yucky/fart.html https://www.youtube.com/watch?v=GTvnjaUU6Xk&index=3&list=PLJicmE8fK0EhVa0WT8BnaTjdsuQrk2Jro	<p><i>KidsHealth: Why Do I Burp?</i> Short article about reasons for burps. A bit annoying, but does give info. Can be read to students with a computer-generated voice.</p> <p><i>KidsHealth: What is a Fart?</i> Ditto.</p> <p>Why do we pass gas? - Purna Kashyap TEDed video 4min57sec</p>
Chapter	http://www.brainpop.com/s	BrainPop Hiroshima and Nagasaki

19 Genie in the Bottle	ocialstudies/ushistory/hiros_himaandnagasaki/	
Chapter 20 Mad Scientist	https://www.youtube.com/watch?v=dHQZErtwA3E	Bet You Didn't Know History of Halloween
Chapter 21 Candles	https://www.youtube.com/watch?v=Ue-86MDmjns	Microscope: TheTube that Changed the World 4min40sec Grandpa gives Ellie a microscope for her birthday
Chapter 22	http://healthcollect.net.au/growing-pains/	Growing Pains Health Connect, Australia 1min48sec
Chapter 23	https://www.youtube.com/watch?v=OmHGwDy51PQ	What do algae and the insides of embryonic mice and bats look like when magnified a few hundred times? To find out, WSJ's Juhi Desai explores some of the winners of a microscopic imagery contest. Photo: Igor Siwanowicz, 2013 Olympus BioScapes Competition
Chapter 24	https://www.youtube.com/watch?v=8KUetvf7Vn8	How to Take a Taxicab in New York City Okay, so it is a stretch. But we live within a day's drive of NYC and the famous yellow cabs.