INTRODUCING

https://www.remc.org/21things4students/

an Open Educational Resource designed for grades 5-9 & used K-12

+	1 - Basics	8 - Troubleshooting	15 - Design Thinking
4	2 - Visual Learning	Q 9 - Search Strategies	16 - Career Prep
ar.	3 - My Digital Life	10 - Digital Images	17 - Creative Communications
趋	4 - Collaboration	11 - Powerful Presentations	18 - Digital Storytellin
11	5 - Digital Footprint	12 - Interactives	19 - Buyer Beware
10	6 - Cyber Safety	13 - Dig the Data	20 - Global Collaboration
血	7 - Be Legal & Fair	14 - Social Networking	21 - Computational Thinking

FREE!
RESOURCES TO HELP BUILD
TECHNOLOGY PROFICIENCY FOR
STUDENTS

Millions of students use these resources that are aligned to Michigan Technology Competencies (MITECS) and International Technology Standards (ISTE)



Providing positive online learning experiences

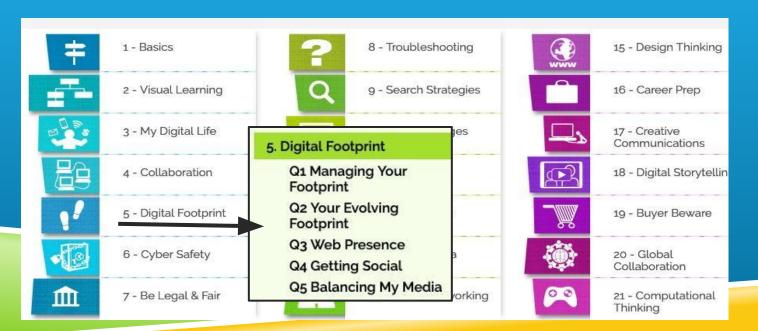
The 21 Things4Students is supported by the Michigan REMC Association



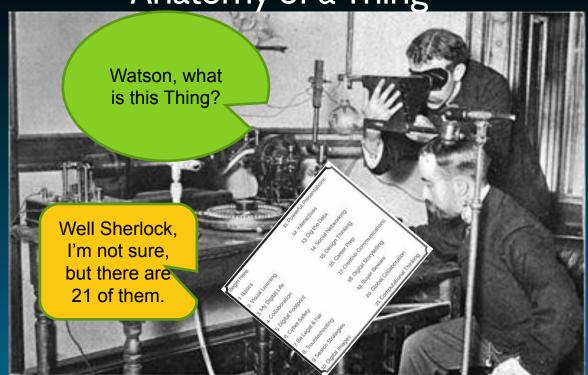
The 21 THINGS are 21 BIG IDEAS

Fun projectbased Quests

Each 'Thing' is broken down into smaller quests. Quests are project-based activities using FREE internet resources.



Anatomy of a Thing



This Photo This Photo by Unknown Author is licensed under CC BY-SA

Anatomy of a Thing

Each Thing page has:

Top animated video or image Introduction to the Thing (a big idea) Learning Objectives Side menu showing the Quests Teacher Guide Learning Objectives Slide Resources Print to pdf ability

Anatomy of a Thing Page

21 Things 4 Students REMC Association of Michigan

ABOUT 21T4S INDEX TEACHERS

MITECHKIDS 21 THINGS4STUDENTS



7. Be Legal and Fair Top video or image



INTRODUCTION

Technology has brought about a potential crisis. It seems that a lot of artwork. literature, and music by our most creative authors, musicians, and artists have faller into the hands of pirates. Our artists can no longer support themselves nor feel sa in creating new work. Their work is being shared all over the Internet as we speak We need to put a stop to this. What would happen if your favorite musicians stopped writing and publishing their music? Do you want to listen to the music of your grandparents? That's where this assignment comes in.

For this Thing you will find out what we can do to make sure creative work remain under proper control. You will investigate the laws of copyright and report your findings back to your teacher. You will also need to find out if there is a way to legitimately use the work done by others so that you are not accused of operating illegally. Your assignment includes spreading the word so that others know the rules. When you have made a creative work of your own you will check it for originality and you will also learn of a way to protect that work so that you will be

LEARNING OBJECTIVES

When you have completed this Thing you will:

- 1 know about copyright and fair use [Digital Citizen]
- 2. understand the social responsibility of using copyrighted materials |Digital
- 3 know how to recognize and avoid plagiarism (Digital Citizen)
- 4 know how to use creative commons licenses [Digital Citizen]

21 THINGS4STUDENTS

- Beain Here
- 1. Basics
- z. Visual Learning 3. Cloud Initiation
- 4. Collaboration
- 5. Digital Footprint

7. Be Legal & Fair

- Q1 Copyright Laws Q2 The Source
- Q3 Plagiarism
- Q4 Stop the Pirates Be Legal and Fair
- Graduation
- 9. Search Strategies
- 10. Digital Images 11 Powerful Presentations
- 12 Interactives
- 13. Dig the Data
- 14. Social Networking
- 15. Design Thinking
- 16. Career Prep 17. Creative Communications
- 18. Digital Storytelling
- 19. Buyer Beware 20. Mobile Computing
- 21. Coding and Game Design





Websites and Applications O





Anatomy of a Quest Top of Page



Q1 Copyright Laws

7. Be Legal & Fair

Intro video or image



I Can...

Key vocabulary



Direct link to the video.

INTRODUCTION

Have you ever taken something that didn't belong to you? Most honest people have not. Have you ever downloaded music, movies, or games without paying for them? Most honest people probably have. Did you know that when you download material from the Internet you may be infringing on someone's copyright? This Quest is for you to find out what the laws are for using materials found on the Internet. How do the laws apply to you and your activities online?

I CAN STATEMENTS

- · follow copyright laws
- create a digital artifact to demonstrate knowledge of copyright

KEY VOCABULARY

Fair Use: Fair Use (in US copyright law) is the doctrine that brief excerpts of copyright material may, under certain circumstances, be quoted verbatim for purposes such as criticism, news reporting, teaching, and research, without the need for permission from or payment to the copyright holder.

Copyright: Copyright is the legal right to be the only one to reproduce, publish, and sell a book, musical recording, etc., for a certain period of time.

21

THINGS4STUDENTS

Begin Here

- 1. Basics
 - 2. Visual Learning
 - 3. My Digital Life
 - 4. Suite Tools
 - 5. Digital Footprint
 - 6. Cyber Safety
 - 7. Be Legal & Fair
 - Q1 Copyright Laws
 - Q2 The Source
 - Q3 Plagiarism
 - Q4 Stop the Pirates Be Legal and Fair Graduation
- 8. Troubleshooting
- 9. Search Strategies
- 10. Digital Images
- 11. Powerful Presentations
- 12. Interactives
- 13. Dig the Data
- 14. Social Networking
- 15. Design Thinking
- 16. Career Prep
- 17. Creative Communications
- 18. Digital Storytelling
- 19. Buyer Beware
- 20. Global Collaboration
- 21. Computational Thinking



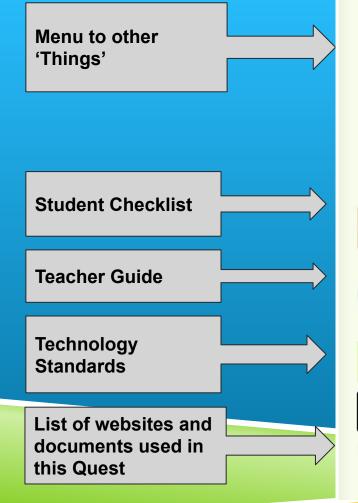
7.Q1.Student Checklist



7.Q1 Teacher Guide

THINGS





- 17. Creative Communications
- 18. Digital Storytelling
- 19. Buyer Beware
- 20. Global Collaboration
- 21. Computational Thinking



Anatomy of a Quest Right-hand side



7.Q1.Student Checklist



7.Q1 Teacher Guide

Competencies & Standards



Websites and Documents



Websites

- Copyright Kids
- <u>Library of Congress</u>

Anatomy of a Quest Continued

Vocabulary Quizlet Game **Steps**

Creative Commons License: A Creative Commons license lets you dictate how others may use your work. The Creative Commons license allows you to keep your co allows others to copy and distribute your work provided they give you cre the conditions you specify.

Play the Vocabulary Game below to practice the **Key Vocabulary**.

Print option (WARNING - lots of pages!)

Vocabulary Game



- 1. Visit http://www.copyrightkids.org and read through the Copyright Basics & FAQs (Frequently Asked Questions) page. Your teacher may want to go over these with you.
- 2. Watch one or more of the following videos below on copyright, plagiarism, and fair use,

Anatomy of a Quest Continued



COMPLETING THIS QUEST

In order to successfully complete this Quest you must provide your teacher with accurate information about copyright by handing in your questions and quiz results. Save your digital artifact to your File Space or post it to your digital portfolio online.



- Check off this Quest on the 21t4s roadmap
- → <u>I am ready for the next Quest</u>, *The Source*

QUEST FEATURES

- Animated video introductions
- I Can statements
- Learning objectives and key vocabulary
- Step by step directions and tutorials
- . Pre and post quizzes
- Meet MITEC technology competencies important for success in school, work, and life
- . Student checklists and a Teacher Guide for each Quest

Check off	Description		
	Watched the introductory video on Cyber Safety Q8 Nobody likes a bully		
	Read the Introduction, Key Vocabulary and I Can Statements		
	Took the Quizlet Key Vocabulary Quiz		
	Reviewed what was learned in Cyber Safety		





Help students become "Empowered Learners" by improving technology skills Set and reflect on Personal Learning Goals



Q2 Image Magic











3 - My Digital Life

?	8. Troubleshooting
Basic Compute	r
Troubleshooting	,
21 Things for Students	

	Keyboard keys	Mission accomplished	Mac	PC
1	Select text quickly	Select an entire word Select an entire sentence (or even paragraph)	Double click on a word And then try triple click	Double c And thei click
2	Copy	Copy something And then Paste it. Hold down the Control or Command key and press the key indicated	₩V or F4	Ctrl c

Help students learn to be safe and smart online and be good "Digital Citizens"









Usernames & Passwords



Help students think critically about online resources and use them to effectively create and construct artifacts

9. Search Strategies

Q1 Michigan eLibrary

Q2 Safe Searching

Q3 Web Site Evaluation

Q4 Citing Your Source

Q5 Fake or Real News



Fake or Real News





Bookmarking

No food,

drinks, gum, etc. near the computers

at any time!



17. Creative
Communications

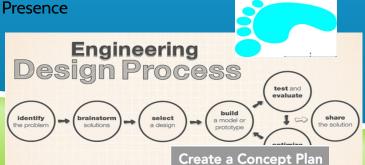


Help students engage in problem-solving, planning and design thinking

2. Virtual Learning and 5-step Engineering Process



5. Digital Footprint and Planning a Web



15. Design Thinking

Q1. What is Design Thinking?

Q2. What's Your Problem?

Q3. Big Ideas

Q4. Prototypes

Q5. Test & Improve

Q6. Reflect & Share

21. Computational Thinking

Q1 What is Computational Thinking?

Q2 Decomposition

Q₃ Patterns

Q4 Abstraction

Q5 Algorithm

Q6 Evaluation

Help students discover and use tools and strategies for collecting and analyzing data









Part 1 Spin and collect the data

Part 2 Formulas

Part 3 Analysis, prediction and global results

Part 4 Delivery Problem (advanced option)



9. Search Strategies

Help students learn to express themselves creatively using a variety of media tools chosen appropriate to the goal

17. Creative Communications

Q1 Applications

Q2 The Main Idea

Q3 Creating Your Digital Artifact

Q4 Remix

Gold What is the Message?

Gold Empower Student Voice With Flipgrid

Q3 Digital Self Portrait 10. Digital Images







11. Powerful Presentations

Help students learn to make positive contributions as collaborators in local and global communities



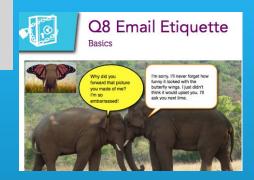


I Can Statement

collaborate online to create a presentation

Group work roles

Working and Creating a Presentation Together



20. Global Collaboration

Q1. What is a Global Collaborator?

Q2. Collaborating With Other Cultures

Q3. Speaking Out About Global Issues

Q4. Lessons Learned

Teaching Resources

Teacher Start Page

Teacher Start Page

Teacher Registration

Teacher Guides

Accommodations

Assessment

Competencies & Standards

Digital Citizenship

Feedback & Evaluation

Presentations and Lessons to Share

Teacher Resource Login

Updates

Standards Alignment Document Assessment Bank Complete URL listing



BADGES AND CERTIFICATES

Teachers have access to digital badges and award certificates to provide as students complete the 'things'



CREATE ... COLLABORATE... COMMUNICATE

- . CREATE your own "Student Showcase Portfolio" of projects to demonstrate your work and skills (blog, web site, online collection...)
- . COLLABORATE locally and globally
- . COMMUNICATE with your parents/guardians, siblings, family members, friends, neighbors to help teach them what you learn

You are very important



To help keep this current, fun, and up-to-date

- Email: When a link or content goes bad
- Complete the End of 'Thing' surveys with feedback and suggestions located on the "graduation pages"

SPECIAL THANKS TO

- Original 21things Project creation team: Melissa White and Carolyn McCarthy, and original partners: Jennifer Parker and Jan Harding.
- Intermediate School Districts for their support: Ingham ISD, Macomb ISD, Shiawassee RESD, and all of the Michigan Intermediate School Districts.
- REMC Association of Michigan for project funding and Sue Schwartz (Exec Director).
- RITS (REMC Instructional Technology Specialists) in Michigan
- 21t4students Advisory Team
- Teams of Revision teachers from across the state of Michigan helping keep the content current and fresh each year.
- Students who have provided feedback and suggestions.

Except as noted, content on this site is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. Commercial use request should contact executivedirector@remc.org

