INTRODUCING

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

an Open Educational Resource

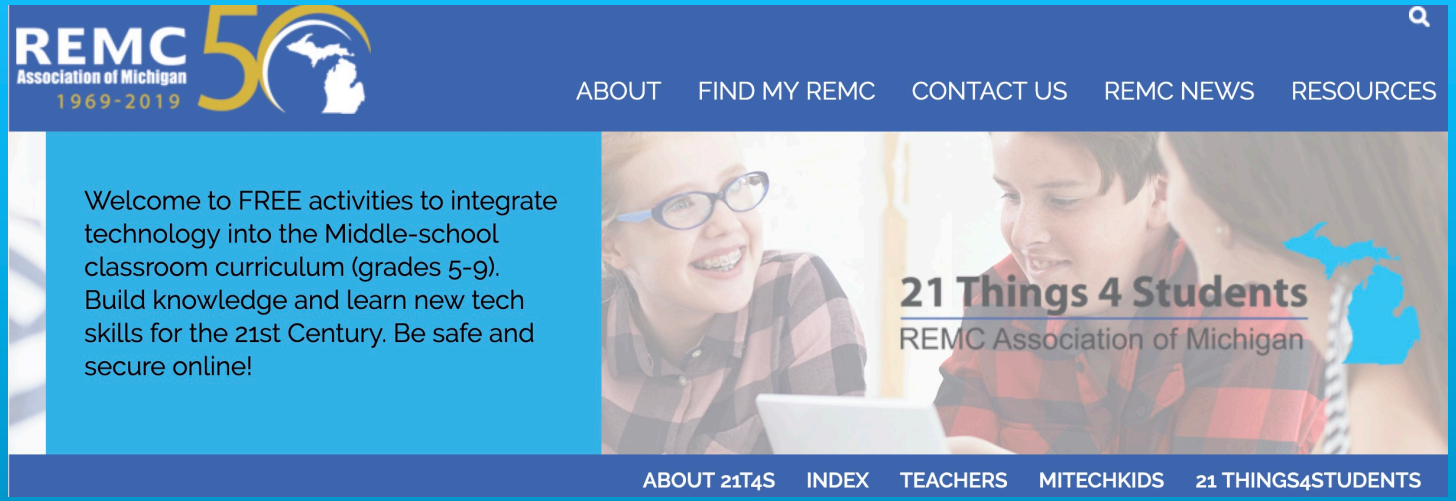
designed for grades 5-9 & used K-12

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

‘21Things’ are made up of 146 Quests = Fun projects that build technology skills

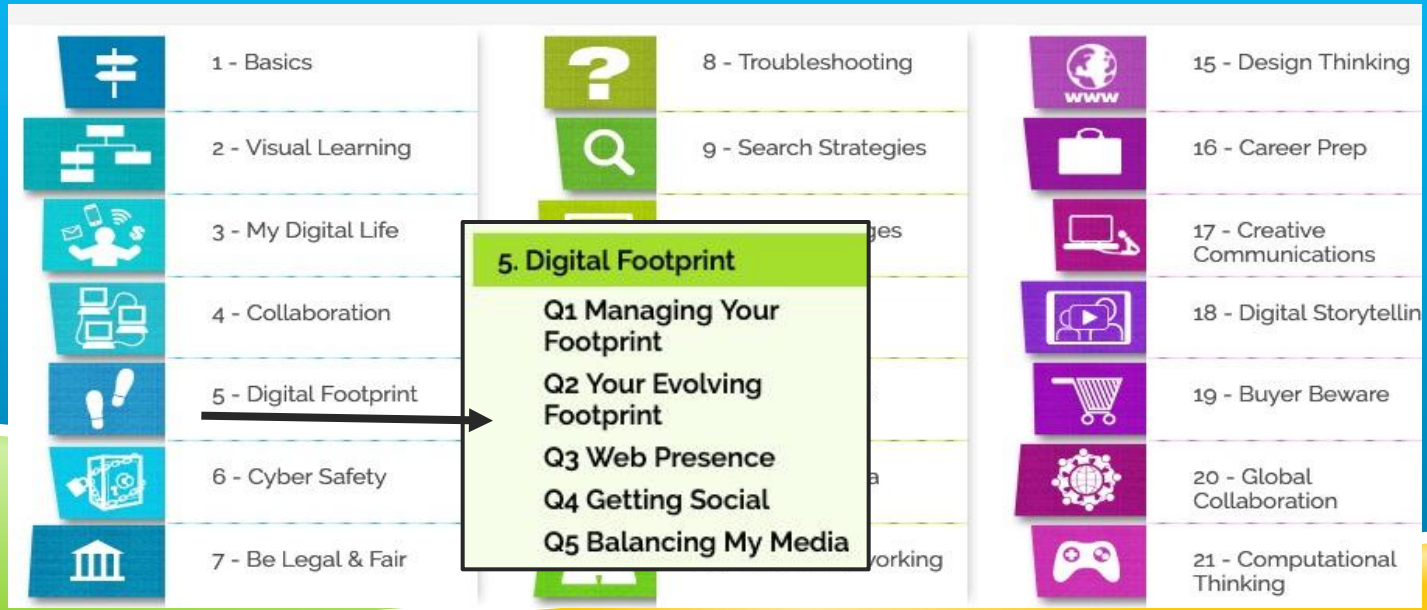


4 Parts separated on the Independent Learning Page

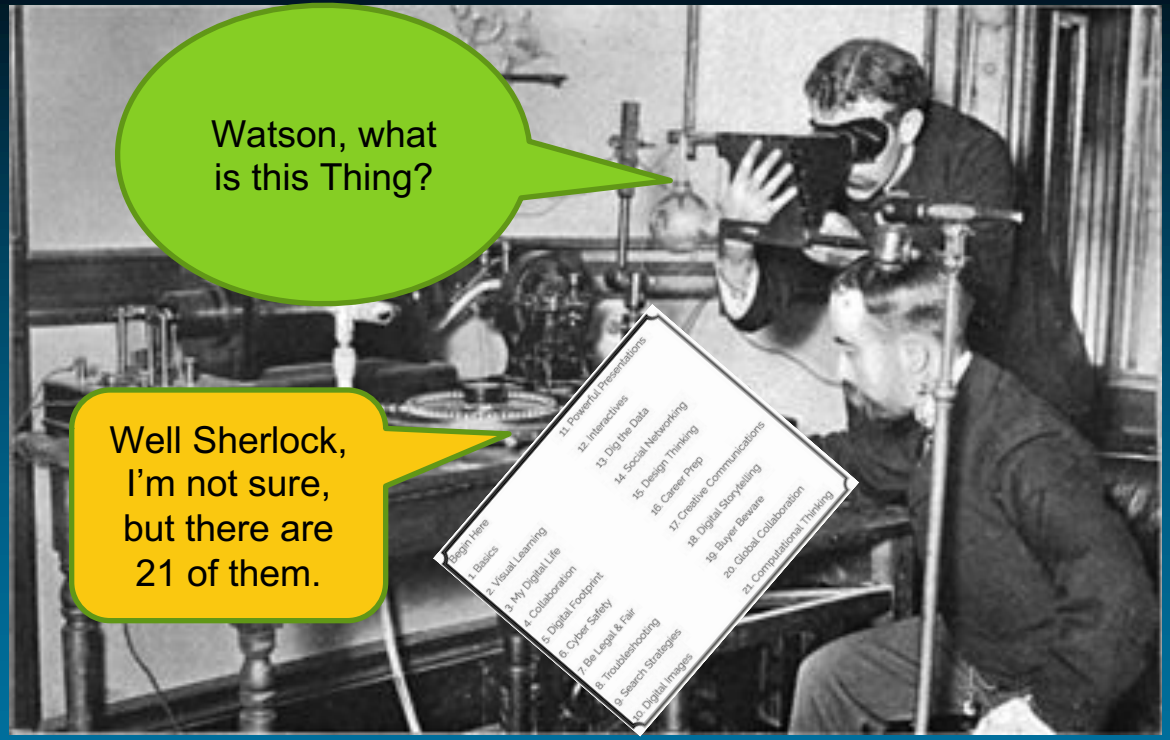
21 THINGS are 21 BIG IDEAS

Fun Project-based Quests

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



Anatomy of a Thing



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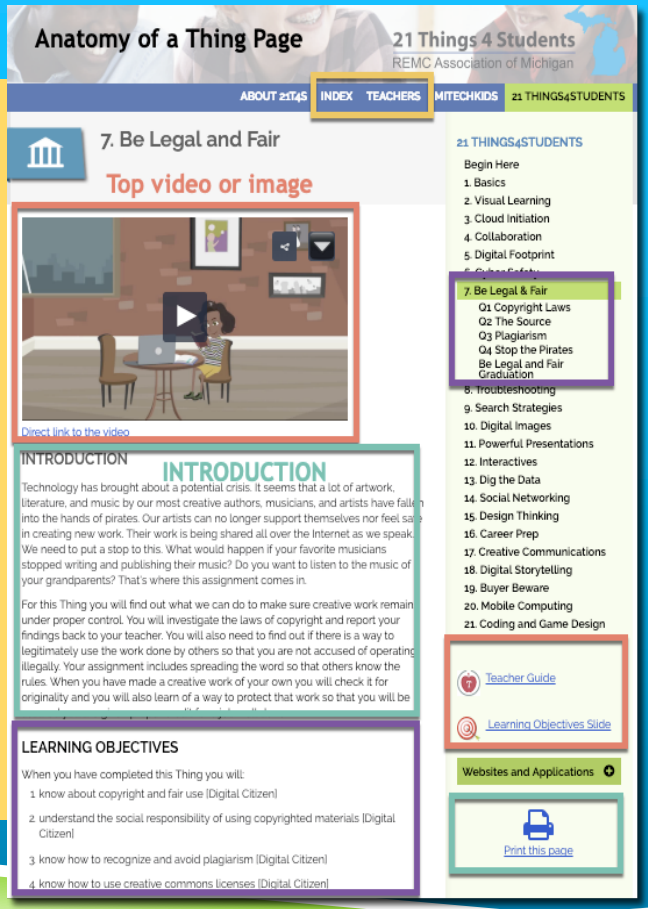
Anatomy of a Thing

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



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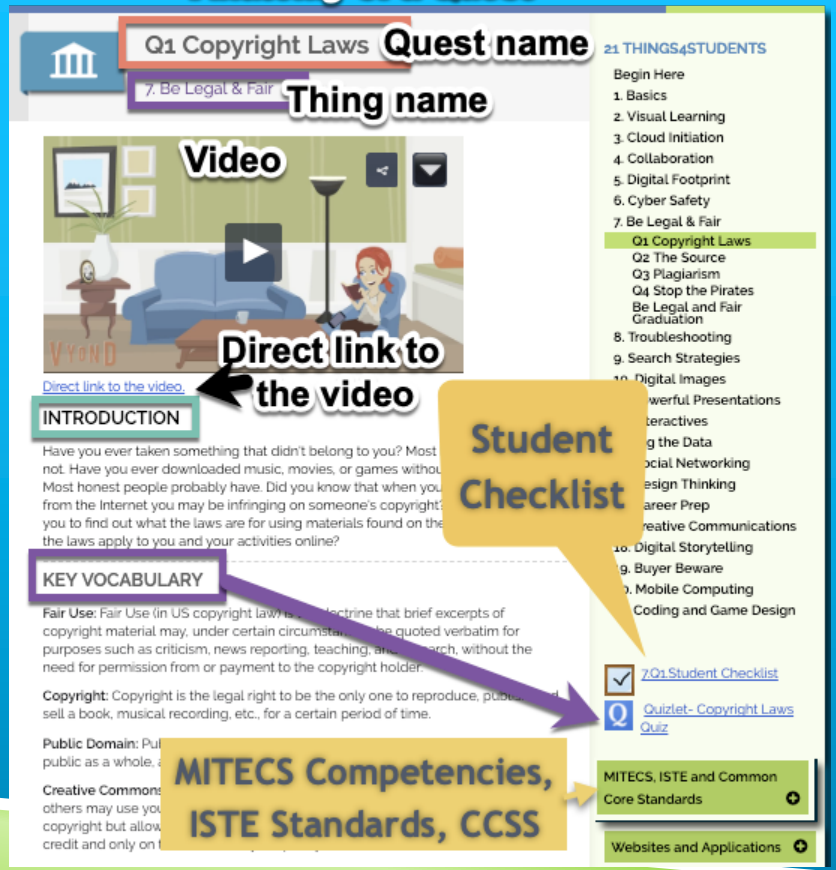
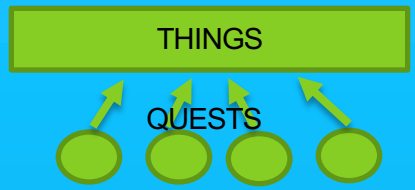
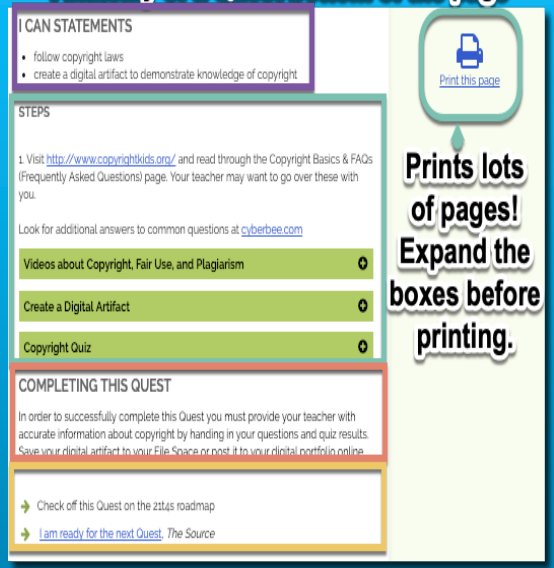
Anatomy of a Quest





Anatomy of a Quest bottom of the page



QUESTS FEATURE

- 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

Digital Portfolio of Projects

6. Cyber Safety Quest 8: Stop the Bully

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

GOAL 1

Help students become “Empowered Learners” by improving technology skills

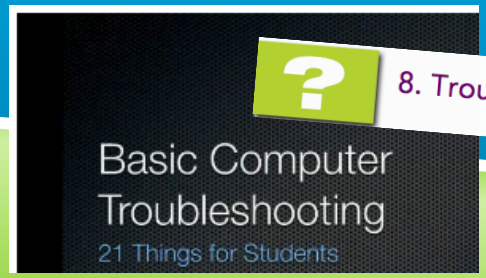
Set and reflect on Personal Learning Goals

Q2 Image Magic
10. Digital Images

Tech Tips
Basics

ScreenCapture
1. Basics

3 - My Digital Life

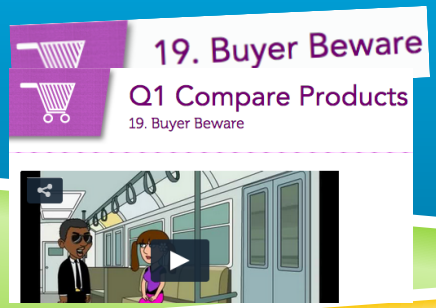


	Keyboard keys	Mission accomplished	Mac	PC
1	Select text quickly	Select an entire word Select an entire sentence (or even paragraph)	Double click on a word And then try triple click	Double c And ther click
2	Copy Paste	Copy something And then… Paste it. Hold down the Control or Command key and press the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

GOAL 2

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

Usernames & Passwords



GOAL 3

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

Bookmarking

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

17. Creative Communications

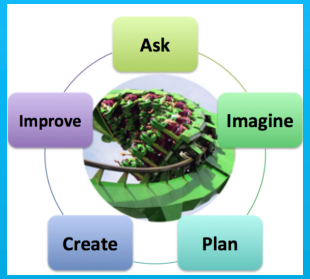
Q4 Promote Yourself

16. Career Prep

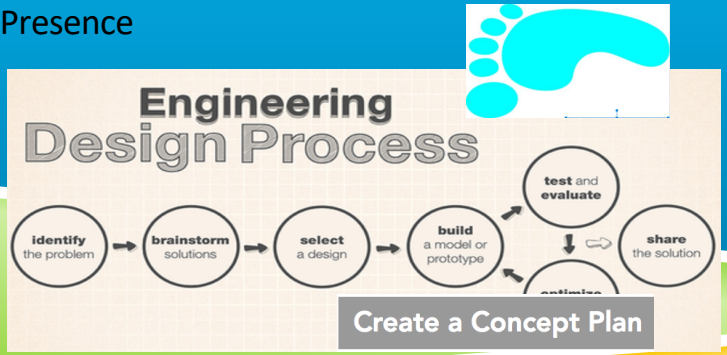
GOAL 4

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

2. Visual Learning and 5-step Engineering Process



5. Digital Footprint and Planning a Web Presence



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

GOAL 5

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

13. Dig the Data

Q6 Spin Out
13. Dig the Data

- Part 1 Spin and collect the data
- Part 2 Formulas
- Part 3 Analysis, prediction and global results
- Part 4 Delivery Problem (advanced option)

WolframAlpha computational knowledge engine

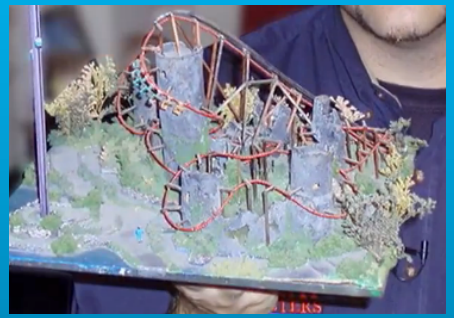
Start by clicking on

Q3 Interactive Study Tools
12. Interactives

Text Compactor
Free Online Automatic Text Summarization Tool

SummarizeThis™

Quizlet™



9. Search Strategies

GOAL 6

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

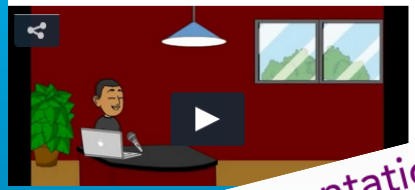
Q3 Digital Self Portrait

10. Digital Images

Q8 Email Etiquette

Basics

18. Digital Storytelling

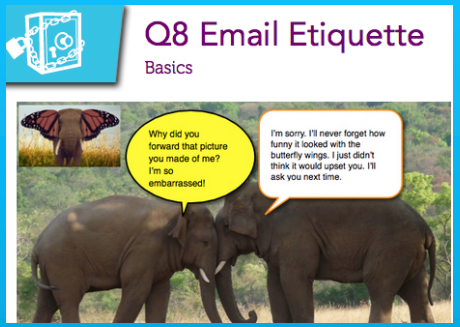


Q10 Sharing Your Presentation

11. Powerful Presentations

GOAL 7

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

Explore and Enjoy

- CREATE your own digital portfolio of projects to showcase 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.
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- 21t4students Advisory Team
- Teams of Revision teachers from across the state of Michigan helping keep the content current and fresh each year.
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