

CTE and Distance Learning Region 8 Schools



Samantha Schadle
CTE Department Coordinator

Exploring variety around software, digital resources, innovative instructional technology, and best practices aiding teachers as they deliver lessons and connect to skill attainment, while ensuring a communication connection with students Schooling From Home

District Rollout

Region 8 Middle and High Schools

Building Closure: March 13, 2020

Schooling From Home Model Launched March 26, 2020

4 Day Schooling Week M-R 9:30am-2:30pm with 30 min classes

Friday: Staff PD and Catch Up Days for Students

The Region 8 Schooling from Home plan was adapted from the Newington and Wethersfield Schooling from Home Plan, which was developed by the American School in Japan (February 2020 update) and was adapted to meet the requirements of Connecticut Public Schools.

My Role

CTE Department Coordinator/Business
Education Teacher
Samantha.Schadtle@rhamschools.org

- Rollout support with the Department Coordinator/Admin Team
 - Instructional Technology Coach
 - Resource matching, Instructional strategy sharing
 - Provide PD opportunities and one-on-one support to teachers around tools, resources, and identified needs
-

District Foundational Tools

Google School

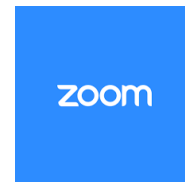


→ Google Classroom

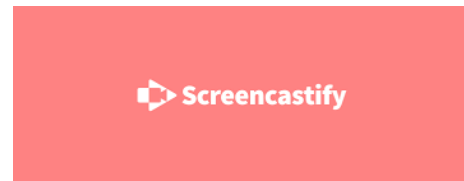
- ◆ Edmodo
- ◆ Canvas



→ Google Meets



→ Zoom for PPT's



→ Screencastify

→ FlipGrid



Communication and Connection to Students: CTE

→ Attendance

- ◆ Simplify
- ◆ Students are accountable to completing attendance each day (Google Question, Checkbox, Entrance Ticket)

→ FlipGrid

- ◆ Frequency: Once per week is typical
- ◆ Purpose: Reflective and Connective

→ Google Meets

- ◆ Frequency: Teacher discretion, Not Required
- ◆ Purpose: Reflective and Connective

→ Screencastify

- ◆ Short videos integrated into lessons for explanation of concepts or demonstrations (2-5 minutes)

→ One-On-One Meets

- ◆ Addressing Individual Student Needs

Business

Timothy.Landry@rhamschools.org

&

Samantha.Schadtle@rhamschools.org

Edmodo/Canvas

Virtual Business

MBA Research: Ethics/Dept Goal

Stock Market Game

EdPuzzle

NGLCengage Mindtap: Fully integrated working papers, support materials, weblinks and assessments for both Century21 General Journal Accounting and Business Management 14e. (Students have full access to e-book for both courses in which chapter sections correspond directly with supplemental resources and assessments.)

Linking Communication and Content with Peer-To-Peer Engagement

- Peer Reviews
- ● Peer Feedback
- Discussion Boards

Personal Finance

- Already an Online Course
- Weekly/Module Setup
- Integrating Diverse Communication modes for students (Face2Face, Video, Audio, Written, InfoGraphic)
- Semester Length Course for College Credit

▼ Week 14: May 4-10		
🔗	Video: Getting Out of Debt	✓
📄	Laws of Gold May 10 12 pts	✓
📄	Managing Your Debt 11 pts	✓
📄	Virtual Business: Buying Goods 300 pts	✓
📄	Your Checking Account: June 100 pts	⊘
📄	Stock Market Game Trading Stock- 5 100 pts	✓
📄	Ed Puzzle: Grocery Shopping 100 pts	⊘



Welcome to Personal Finance Online!

Participating in an online course can be exciting and intimidating. I have participated in many online courses myself and understand the excitement, frustration, and fear that comes along with a new style of classroom. If you ever feel that you are falling behind or cannot grasp a certain process or idea, please don't ever hesitate to come and meet with me in school to work through these issues. My office is located in the Guidance Office. I want you all to succeed and walk away with a great foundation to manage your individual Personal Finances. I am anticipating many hiccups in the beginning as everyone is getting used to the classroom webpage and logistics of the course. My door is always open. Please also remember that you are not only learning the elements of Personal Finance, but also of taking an online course. Be patient with yourself and your learning style. As long as you stay focused and up to date on the work you will succeed. I look forward to a successful semester for each one of you in Online Personal Finance! The fact that you have chosen to enroll in this course shows great motivation, independence, and confidence.

Sincerely,
Mrs. Schadtle

Computer Science

Jacqueline.Wetherell@rhamschools.org

Google Classroom

Edhesive

Screencastify

FlipGrid: Check-ins

Google Meets

CodeSkulptor3: Coding Environment for Python



CS Discussion Boards: Weighing in on Social Media

1.2.1 Discussion: Describe a Program You Use

In this lesson, you have been learning about programs.

Think of your favorite apps, video games, or websites. Each of these is an example of a program. Each program has different functions or things that they can do. For example, YouTube allows the user to upload videos, play videos, search for videos, and comment about a video. In this discussion, you will think about the functions of a program that you use.

Answer these three questions in the box below.

1. What is the name of one of your favorite apps, video games, or websites?
2. What are the functions of that program? Name as many of the things it can do as possible.
3. How do you think this program was made?

4

One of the apps I use all the time is Instagram. It has all sorts of functions. It has to connect to the internet to show posts and updates, it has a search function to find things, it has to have access to your photos, camera, and microphone. It also has the ability to direct message another user's account. I think Instagram was made using multiple different people's skills and different codes. For example, the program used to send direct messages uses a different code than using your camera through the app to take a picture.

Reply



Mrs. Wetherell

Friday



Hi Dani,

This is a very popular social media application. Instagram is a great way to share photos and ideas. It has even developed into an application that can stream live videos: such as workouts and self help sessions. App developers and programmers are the creators behind this app. It takes teams of people to produce something like this: creative minds, marketing/branding specialists, and programmers.

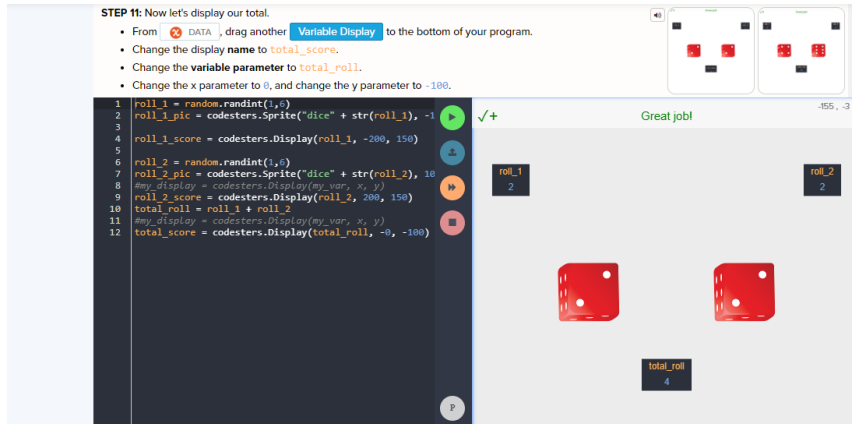
Coding Practice in CS II

Dice Game - Random Integer Generator

STEP 11: Now let's display our total.

- From **DATA**, drag another **Variable Display** to the bottom of your program.
- Change the display name to **total_score**.
- Change the variable parameter to **total_roll**.
- Change the x parameter to 0, and change the y parameter to -100.

```
1 roll_1 = random.randint(1,6)
2 roll_1_pic = codesters.Sprite("dice" + str(roll_1), -1
3
4 roll_1_score = codesters.Display(roll_1, -200, 150)
5
6 roll_2 = random.randint(1,6)
7 roll_2_pic = codesters.Sprite("dice" + str(roll_2), 10
8 my_display = codesters.Display(my_var, x, y)
9 roll_2_score = codesters.Display(roll_2, 200, 150)
10 total_roll = roll_1 + roll_2
11 my_display = codesters.Display(my_var, x, y)
12 total_score = codesters.Display(total_roll, 0, -100)
```

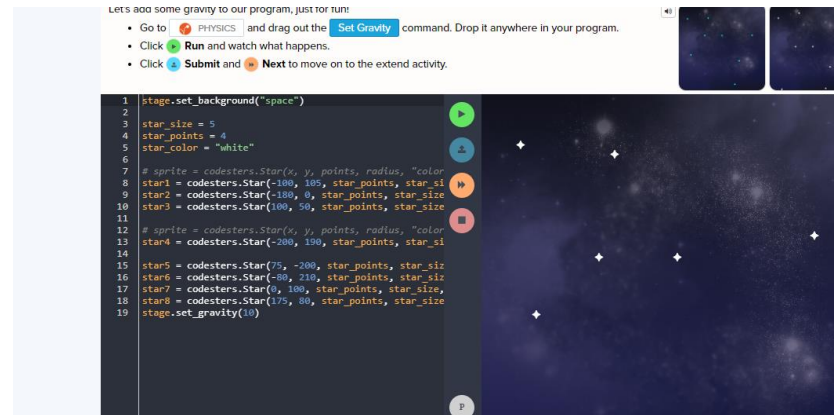


Using Variables to Control Parameters

Lets add some gravity to our program, just for fun:

- Go to **PHYSICS** and drag out the **Set Gravity** command. Drop it anywhere in your program.
- Click **Run** and watch what happens.
- Click **Submit** and **Next** to move on to the extend activity.

```
1 stage.set_background("space")
2
3 star_size = 5
4 star_points = 4
5 star_color = "white"
6
7 # sprite = codesters.Star(x, y, points, radius, "color"
8 star1 = codesters.Star(-100, 105, star_points, star_si
9 star2 = codesters.Star(-100, 0, star_points, star_size
10 star3 = codesters.Star(100, 50, star_points, star_size
11
12 # sprite = codesters.Star(x, y, points, radius, "color"
13 star4 = codesters.Star(-200, 190, star_points, star_si
14
15 star5 = codesters.Star(75, -200, star_points, star_siz
16 star6 = codesters.Star(-80, 210, star_points, star_siz
17 star7 = codesters.Star(0, 100, star_points, star_size,
18 star8 = codesters.Star(175, 80, star_points, star_size
19 stage.set_gravity(10)
```



Construction

Robert.Viara@rhamschools.org

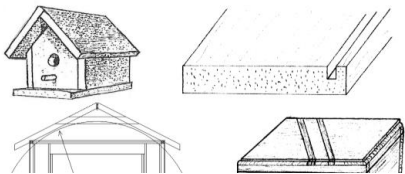
Google Classroom

Careersafe - OSHA 10 for all students



Online Textbooks

Exploring Woodworking and Construction Technology



[Exploring Woodworking and Construction](#)

[Valley Oak Charter School](#)

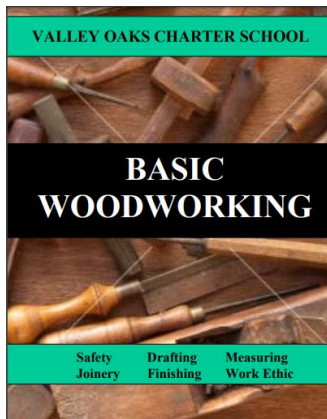
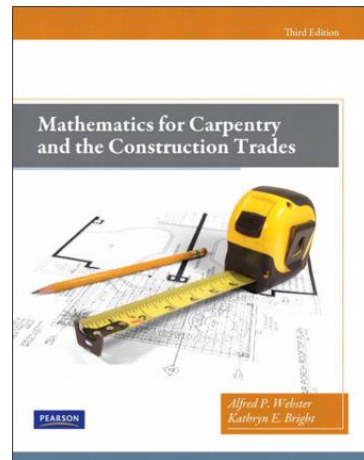
[Mathematics for Carpentry](#)

[Mathematics for Carpentry](#)

[Career Tech](#)

[Carpentry Skills Workbook](#)

**CARPENTRY SKILLS
WORKBOOK**



Safety Drafting Measuring
Joinery Finishing Work Ethic

Videos and Online Resources

[This Old House](#)

[Woodworking 101](#)

[Bob Vila](#)

bob vilaTM Tried, True, Trustworthy Home Advice

HOW-TO CENTER

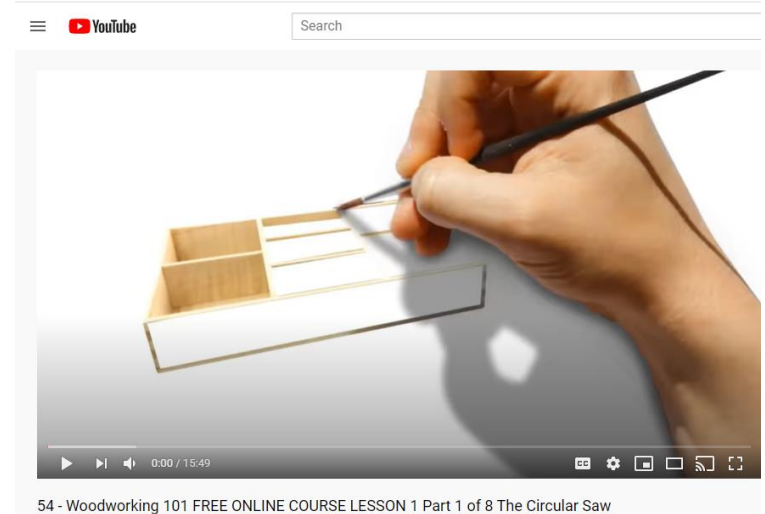
GET IDEAS

FIND INFO

DISCUSS IT

WATCH TV

Win a washer/dryer set
from Kenmore!



 **This Old House**

ECE

Diane.Szeber@rhamschools.org

Google Meets

Screencastify

Student Built Lesson Plans

- FlipGrid videoing themselves delivering a lesson
- Will share that FlipGrid with our “in-house” pre-schoolers for delivery, feedback and connection



Engineering

Eileen.Lastrina@rhamschools.org

Google Classroom

Google Meets (daily)

Sketch-Up

Homestyler

OnShape

Inventor

Whitebox Learning

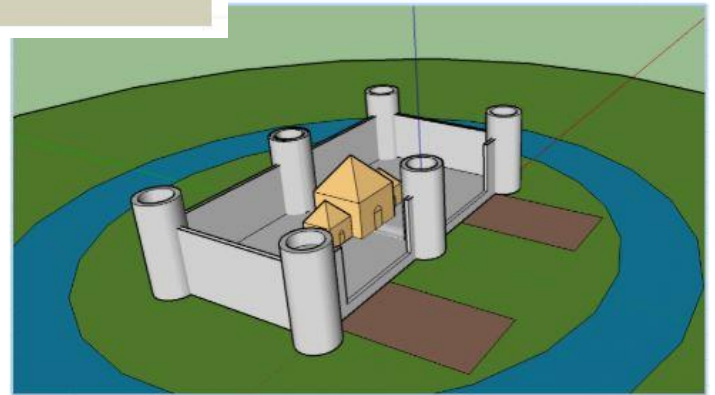
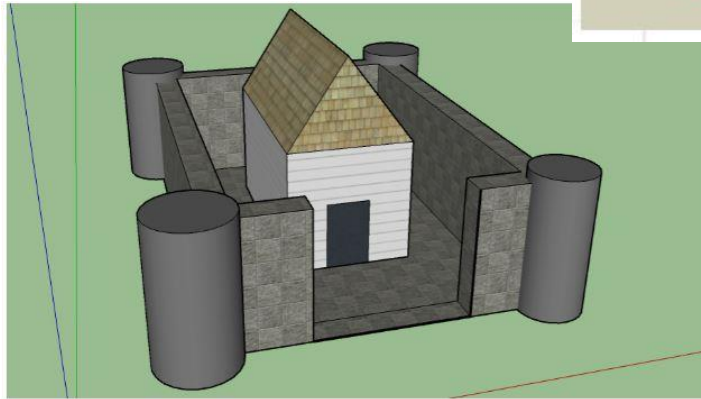
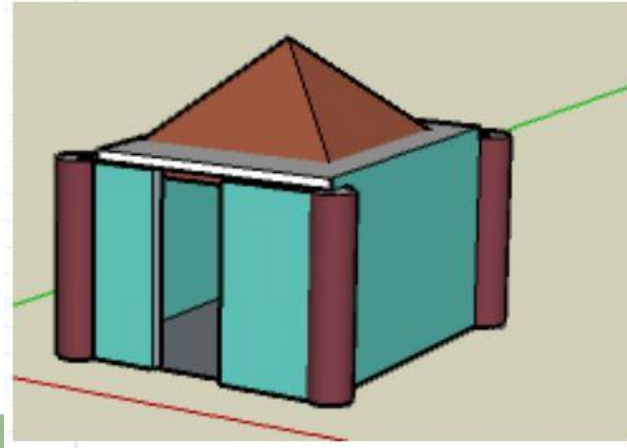
Vex VR

Online Presentations

FB: Quarantine Tech Ed Teacher

CCAT: <https://ctdidi.com/resources/educators/>

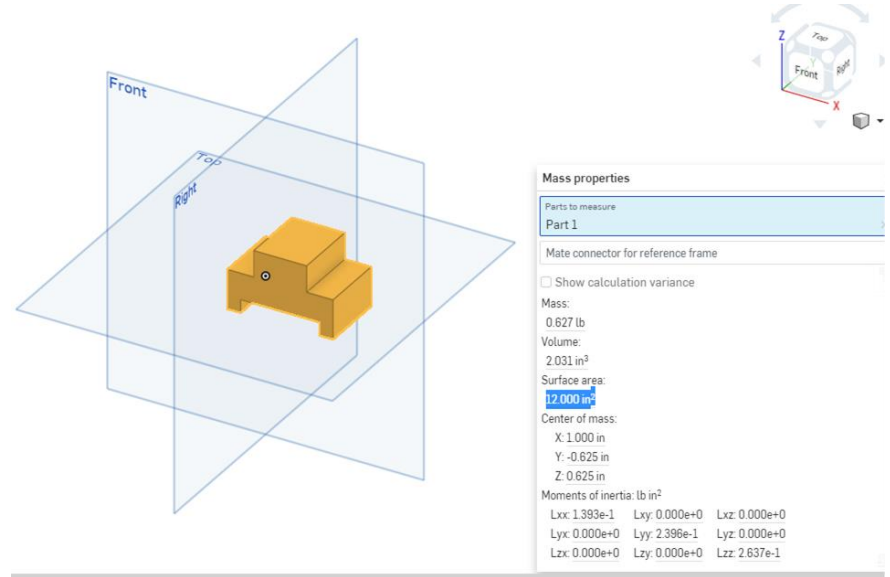
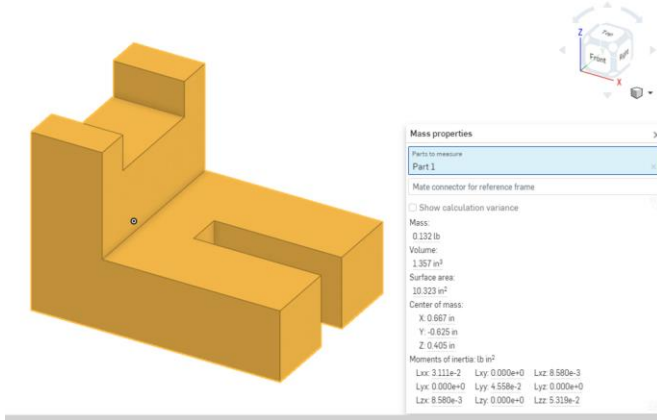
Architectural Design Samples: Custom Castles using Sketch-up



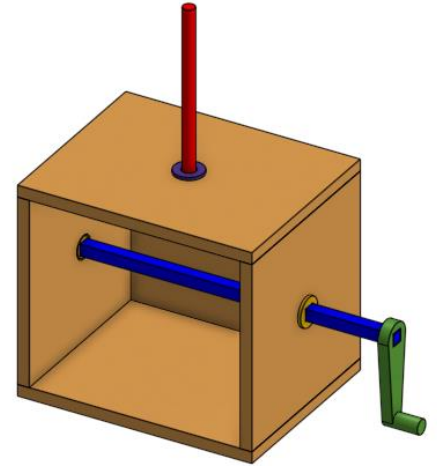
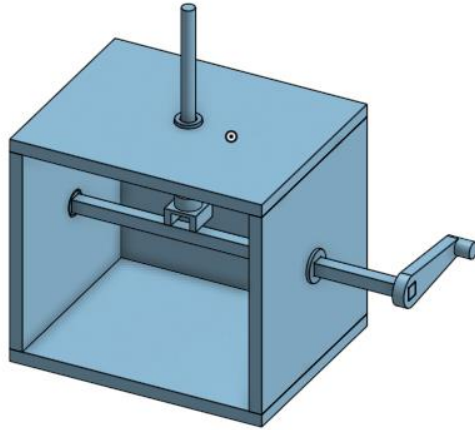
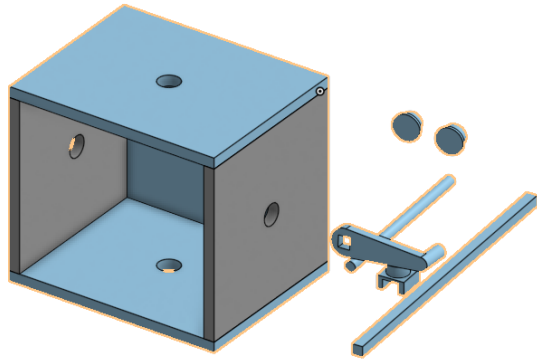
Architectural Design Samples: “Music Rooms” using Homestyler



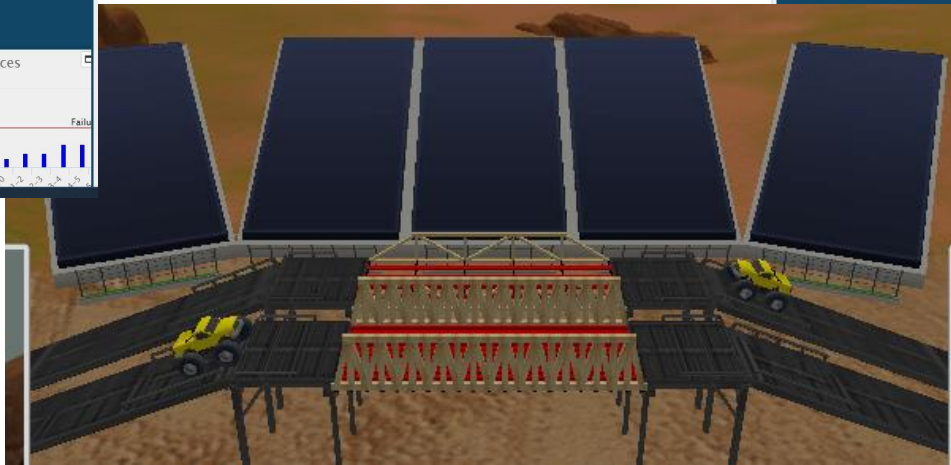
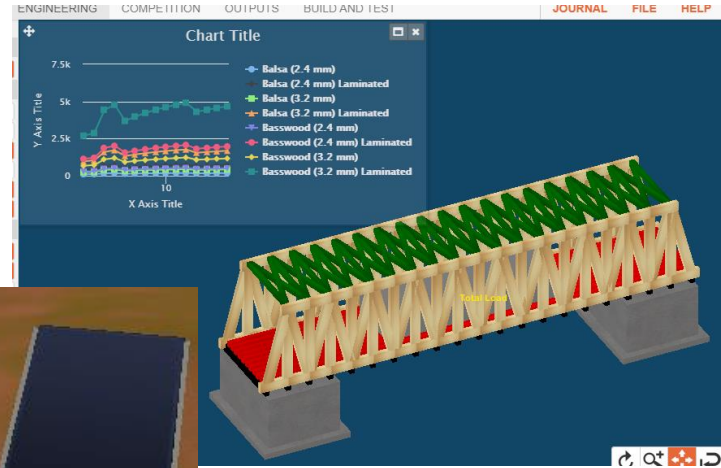
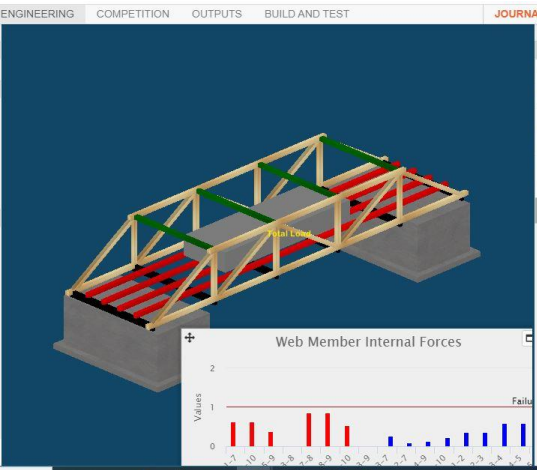
Engineering Design Samples: Physical Property of Materials Analysis using Onshape Or Inventor



Engineering Design Samples: Automata Assemblies (in progress) using Onshape



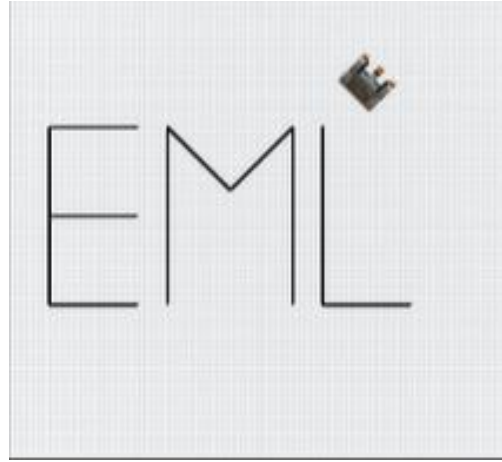
Principles of Engineering Samples: Balsa Bridge Structures Competition Using Whitebox



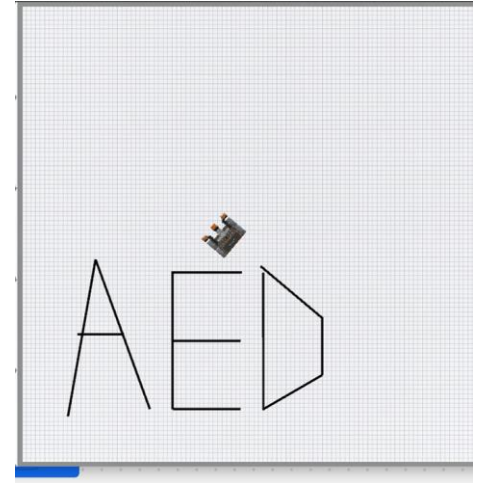
Principles of Engineering Samples: Robot Programming Using Vex VR



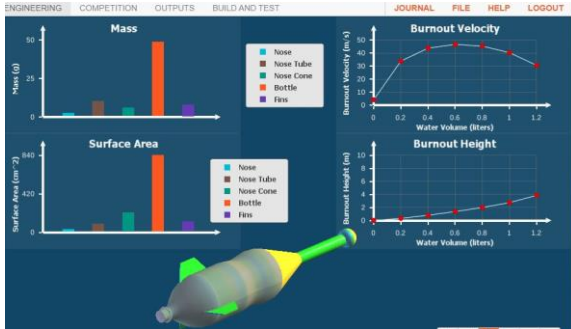
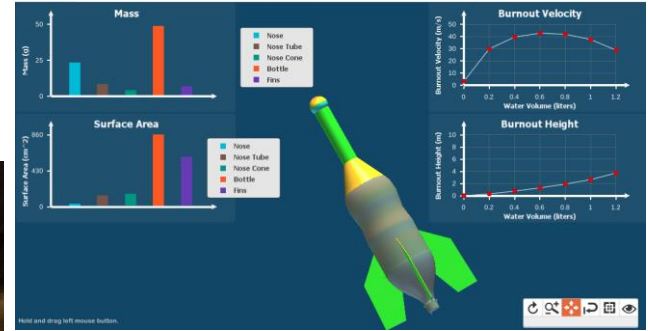
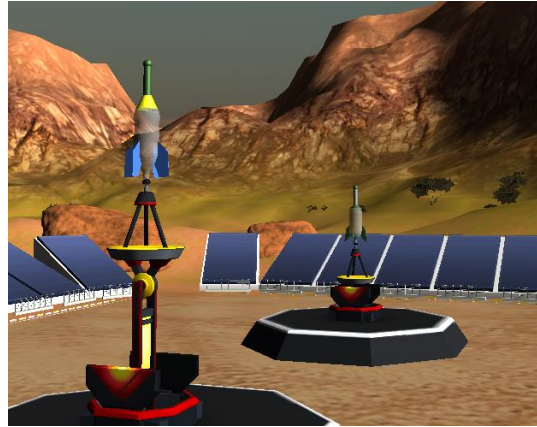
[See it in action](#)



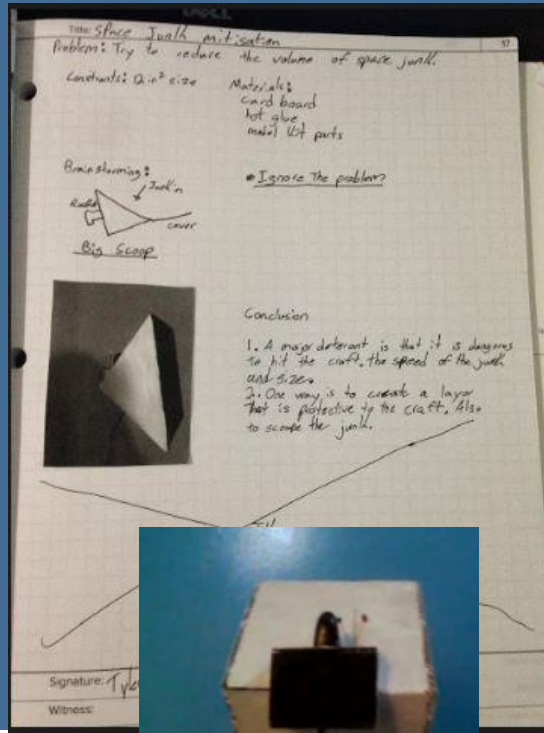
[See it in action](#)



Aerospace: Rocket Challenge online with WhiteBox

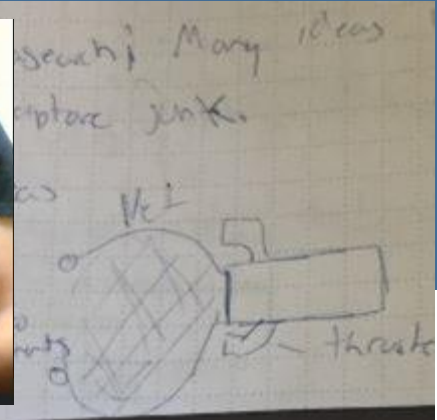


Aerospace: Space Junk Mitigator



Hands-On At Home

[video](#)



Health Science & Arts/Audio

Paul.Bancroft@rhamschools.org

CERT: Community Emergency Response Team Course

- Online textbook contains module work for students

EMT

- Students videoing skills learning at home on family members, animals, or dolls
- Online Textbook

Arts/Audio

- Creating news stories (print for those lacking technology)
- Stories will turn into a voice over or video with basic editing with phones and home cameras
- ~~Students are sharing into a compiled drive and one student will edit into a show~~

RHAM News On Facebook

The image shows a screenshot of the RHAM News Facebook page. On the left is a navigation menu with options: Home, Posts, Videos, Photos, About, and Community. The main content area features a post from RHAM News, dated 'Yesterday at 7:57 AM'. The post text reads: 'RHAM News is back! Thanks to all the Broadcast Journalism students for putting this together from home!'. Below the text is a video thumbnail showing a news broadcast interface with a grid of colored boxes (yellow, cyan, white) on a dark background. The post has 16 reactions (likes and loves) and 4 comments. To the right of the post is a 'Send Message' button and a notification that 743 people follow the page. Below this is an 'About' section with links to contact RHAM News on Messenger, their Twitter profile (twitter.com/rhamnews), and their category as a Media/News Company. A 'Page Transparency' section is also visible, stating the page was created on September 11, 2012. At the bottom right, it shows 621 likes.

RHAM News
@RHAMNews

Home
Posts
Videos
Photos
About
Community

Like Share Suggest Edits ...

RHAM News
Yesterday at 7:57 AM · 🌐

RHAM News is back! Thanks to all the Broadcast Journalism students for putting this together from home!

16 reactions (likes and loves)

4 Comments 1 Share

Send Message

743 people follow this

About See All

Contact RHAM News on Messenger

twitter.com/rhamnews

Media/News Company

Page Transparency See More

Facebook is showing information to help you better understand the purpose of a Page. See actions taken by the people who manage and post content.

Page created - September 11, 2012

People >

621 likes

Manufacturing

Eric.Soucie@rhamschools.org

Google Classroom

Google Meets

CareerSafe - OSHA 10

Tooling-U - YMPI

[Manufacturing Games](#)

CCAT Resources



Youth Manufacturing Pipeline Initiative

- **Tooling-U: Industry recognized training modules**
- **Metrix** is an online learning platform that is designed to elevate your skills and get training. It includes over 100 industry certifications and over 5,000 courses to choose from. We've pre-selected Skillsoft courses which were developed by industry-leading learning experts to help companies develop a more knowledgeable, productive and valuable workforce. The courses we selected are the top rated online soft skills classes.
- **Online Modules with Textbooks from YMPI**
- **OSHA-10 from CareerSafe**

Middle School

Becky.Sinosky@rhamschools.org

Google Classroom

Edhesive

Screencastify for Edhesive delivery

Google Meets

[EngineeringGirl.com](https://www.EngineeringGirl.com)

TinkerCAD Online

JunkYard Wars: Projects at Home with Items
From Home



JamBoard: Google Extension



Green Team Safety Jam

Background Clear frame

1/2

Identify 2 safety violations

Best Practices

For Distance Teaching and Learning

- Consistency: Keep students on track and informed
- Virtual Galleries: Keep students connected to each other
- Implement Off-Screen Activities
- Keep it **BRIEF** for Student Launch into Assignments (Tutorials, Videos, FlipGrid)
- Timely Feedback
- Be available: “Live”
- Chunk Assignments
- Organize the Classroom: Weeks/Units
- Communicate
- ~~Stress~~ **Integrity** for Productivity

Resources for Educators and Administrators Moving Online



In light of the current situation regarding the Coronavirus (COVID-19), OLC has received numerous requests from institutions in the US and abroad on how they might create emergency preparedness plans in the event of a

ABOUT

MISSION & VISION

OUR HISTORY

**OLC CONTINUITY PLANNING
AND EMERGENCY
PREPAREDNESS**

QUALITY FRAMEWORK

OLC AND AMAZONSMILE

OUR TEAM

OLC SPEAKING ENGAGEMENTS

FROM OUR CUSTOMERS –
TESTIMONIALS & REVIEWS

NEWS & PRESS

CAREERS

Additional Links/Resources

- [CCAT Dream It Do It](#)
- [Construction Technology Activities](#)
- [CTEEA Google Community](#)
- [Smithsonian Virtual Tours](#)
- [Imagineering in a Box from Disney and Kahn Academy](#)
- [Virtual Museum Tours](#)
- [Virtual Labs for STEM](#)

Contact Information

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