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Turtle as Mathematician – March 20, 2021
A virtual hands-on workshop led by Cynthia Solomon, Michael Tempel, Brian Silverman, and Artemis Papert
ATTN: Instructors teaching Computer Science, Technology, and all other K-12 Educators interested in Computer Science and Coding.

Once upon a time Turtle Geometry was virtually unknown in K12 education. Now FORWARD and RIGHT, the basic commands in Turtle Geometry, are incorporated into countless coding apps, games, and robotics programs. But many educators are not familiar with the educational and mathematical roots of Turtle Geometry.

We will briefly look at the origins of Turtle Geometry and how it was seen as an excellent entry path into MathLand for young learners. The leaders of this workshop have been immersed in Turtle Geometry for a very long time. They will share their ideas and experiences along with a collection of engaging activities to explore yourself and with your students.

Using TurtleArt and Scratch, we will delve into:

- **Polygons, Spirals, and other Geometric Patterns** – complex and beautiful patterns emerge from the commands of Turtle Geometry
- **Probability** – Starting with a coin toss, we see how order emerges from randomness, and how this phenomenon applies to many aspects of the real world. We'll also look at some surprises that result from random events that are repeated many times.

When: Saturday, March 20, 2021 from 9:00am to 11:00am CST
Where: Everywhere *via* Zoom
Cost: $15 per person
Free for people who participated in the 2020 Virtual Logo Summer Institute

Click Here to Register

Dr. Stacey Whitmore, Manager | Career and Technical Education | Email: swhitmo1@HoustonISD.org | Direct Line: (713) 556- 8202)

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Programming the Finch 2 Robot

A virtual hands-on workshop led by Tom Lauwers

ATTN: Instructors teaching Computer Science, Technology, and all other K-12 Educators interested in Computer Science and Coding.

When: Saturday, April 10, 2021 from 9:00am to 11:00am CST

Where: Everywhere *via* Zoom

Cost: $15 per person
Free for people who participated in the 2020 Virtual Logo Summer Institute

Click Here to Register

The Finch Robot 2.0 is a new robot designed to support Computer Science education from kindergarten through college. Like the original Finch, Finch 2.0 can be programmed using a choice of languages from FinchBlox for young children, through Snap!, MakeCode, Python, and Java for older students and more experienced programmers. The Finch connects to your laptop or tablet via Bluetooth. The Finch motors provide accurate movement. Outputs include multi-color LEDs and sound. There are sensors for light, distance and line tracking as well as a compass and an accelerometer. There's a centrally mounted pen for so that the Finch can draw as it moves.

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SAVE THE DATE CTE LEADERS!
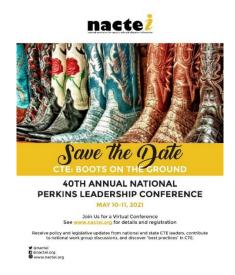
40th Annual Perkins Leadership Conference – NACTEi
Pre-Conference May 10th, 2021 | NACTE Sessions May 11th, 2021

Hello CTE Administrators & CTE Leaders!

It has been nearly two years since NACTEi met for the Annual Perkins Leadership Conference in Kansas City. This year we were scheduled to be in San Antonio, Texas and looking forward to all the good bar-b-q and Tex-Mex food.

Given the current health concerns, we are holding our NACTEi conference virtually this year. I have attached the Save the Date flyer. For more conference information and registration, please visit our website HERE.

Michael Brustein at this website will offer a pre-conference on Monday, May 10th, 2021 and NACTEi will host the sessions on Tuesday, May 11th, 2021.

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CAPELLA UNIVERSITY

Complimentary Professional Development (March 2021)

With professional development options, you will earn **FREE** clock hours at no initial costs. Capella has developed professional development courses in the areas of instructional technology, course design, and leading and coaching to help hone your skills. Foundational courses that focus on setting up, designing, and enhancing instructional materials and methods with technology in modern classrooms. You have 60 days to complete these courses. Apply these learnings toward a Capella degree program to help you save time and money. Explore the **FREE** online course topics by clicking the titles below or HERE.

★ 21st-Century Instructional Practices

★ Enhancing Instruction with Technology

★ Digital Citizenship

★ Classroom Instruction Using an LMS

★ Designing for the 21st-Century Classroom

★ Flipping Your Classroom

★ Classroom Device Management

★ Standards-Based Digital Instruction

★ Personalized Instruction

★ Implementing Adaptive Learning

★ Understanding Competency-Based Curriculum

★ Personalized Learning Through Gaming

★ Designing Instruction for Adaptive Learning

★ Understanding Competency-Based Instruction

TEXAS A&M AGRILIFE

Healthy Teens, Healthy Future – *FREE 6 Self-Paced Curriculum Series!*

Session 1 - Moving Forward with MyPlate
Session 2 - Reading Food Labels
Session 3 - Breakfast of Champions!
Session 4 - Figuring the Fat
Session 5 - The Sweet Facts
Session 6 - Wrapping Up with Snacks

Texas A&M AgriLife is still offering a new distance education program through the Expanded Food and Nutrition Education Program specifically for our 6th–12th grade students! Our "Healthy Teens, Healthy Future" curriculum focuses on helping youth audiences develop healthy eating habits, increase their physical activity, practice food safety, and develop skills for basic food preparation. This program is completely FREE for ALL CTE students and CTE teachers. Please email Khadija Ghaffar (information below) for more information and scheduling.

Audience / Grades 6-12

Ag Animal Science (Livestock Production); Ag (Food Science and Technology)
Health Science (Exercise Science and Wellness); Hospitality (Culinary Arts)
Human Services (Health & Wellness; Family and Community Services)
All other interested middle school teens and high school teens; interested CTE Instructors

Benefits

TEK-Aligned; 6 Lesson Series; led by an Expanded Food and Nutrition Education Program
(EFNEP) educator for no more than 30 minutes each; taught one on one or with a small group at a convenient time for the participants. Click HERE for FREE course information.

Texas A&M AgriLife Contact Information

Khadija Ghaffar, Youth Extension Assistant
Khadija.Ghaffar@ag.tamu.edu

Dr. Stacey Whitmore, Manager | Career and Technical Education | Email: swhitmo1@HoustonISD.org | Direct Line: (713) 556- 8202

TEXAS A&M
AGRILIFE
EXTENSION

Choose from a variety of online courses that count as training hours for professional development for childcare providers.
Courses specifically for CDA Training and CDA Renewal are also available. Visit HERE or click on the course titles below to explore courses.

Attention: Education and Training CTE Teachers
If you find any of the Texas A&M courses beneficial for your professional growth, please ask your campus administration to consider using allocated funds to purchase for you.

Note: To continue offering high-quality online training, the price of many of the Texas A&M courses will be increasing over the next several weeks. This includes charging a fee for courses that were previously free. The fees generated from the online courses will enable us to develop new trainings and help cover hosting costs. Thank you for your understanding as we strive to continue to provide you with convenient, affordable, and high-quality online training.

Many AgriLife courses offer continuing education units in Texas. We offer credits for childcare providers and more. All programs provide objective, practical, and science-based information.

- ★ Child Health and Safety
- ★ Developmentally Appropriate Activities
- ★ Guidance and Discipline
- ★ Including Children with Special Needs
- ★ Infant Mental Health
- ★ Nutrition and Physical Activity
- ★ Observation and Assessment
- ★ SIDS, Shaken Baby, and Brain Development
- ★ Texas Healthy Building Blocks
- ★ Pre-Service
- ★ Transportation Safety
- ★ Professional Development and Leadership

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Education is a lifelong process.
It is critical that professionals stay up to date on new and emerging technologies in their respective fields.
Texas A&M offers many opportunities for state-of-the-art professional development and continuing education.

Need Help?

Course Catalog

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