Daily DE

HIGH SCHOOL GRADES 9-12
Week 6: Grades 9-12

**MONEY MONDAY**
Explore self-paced online modules and other tools to equip you to make sound financial decisions to meet your life goals.

**TECH TUESDAY**
Learn more about the way that emerging technologies are solving everyday problems.

**WELLNESS WEDNESDAY**
Empower yourself to make good decisions for the health and well-being of yourself and those in your community.

**TRY-IT THURSDAY**
Get hands-on as you engage in the scientific thinking process.

**FIELD TRIP FRIDAY**
Go on virtual field trips to amazing destinations and learn more about the many career options available to you.

**WEEKEND CHALLENGE**
Visit TGR EDU: Explore and try these family-friendly activities to spark creative problem solving and design thinking at home. These family-friendly activities will unlock your creativity to explore, design and test solutions for real-world problems. The challenges use everyday household items, but you can switch them out with similar items you have at home.
Money Monday
What factors should you consider when choosing a bank? Learn how to compare features and costs of services offered by financial institutions.

Pathway to Financial Success in Schools
Crack the Code

Have you ever considered how video gaming designers coded your favorite video games? Or, how computer programs are tested for “bugs”?

First, create a list of every move you must make to travel from a seated position in your bedroom to the kitchen to obtain a glass of water.

Choose someone else in your house to check your “code” for bugs. If they can not complete the task with your instructions alone, consider what changes need to be made so that they can.

Download Crack the Code and complete the rest of the Blueprint for Discovery Activity.

What did you learn about coding and de-bugging?

Siemens STEM Day Activities
Wellness Wednesday
Learning to drive can be intimidating if you don't know what to expect. These videos take the guesswork out of learning to drive and give you great advice on how to be safe behind the wheel.

Visit Teen Drive 365 and watch all six videos that help you learn safe driving tips.

Afterward, complete the Just the Facts Quiz to test your knowledge of the facts of safe driving.
Try-It Thursday
Radar can be useful for tracking vehicles in the air, but sometimes the approaching vehicles do not want to be tracked! Engineers can use different strategies and clever designs to reduce the ability of radar to track particular objects. These designs may prevent the reflection of radio waves or obscure waves after they are reflected.

In this activity, you will first watch the video Under-the-Radar to learn more about how designs and materials can be used to block radar.

Then, read and complete pages 1-3 of the Student Mission document to prepare and plan for your design solution.

Your mission: Use a variety of materials such as black construction paper, cotton towel, mylar balloon, tissue paper or anything around the house that might work to create a radar evading aircraft. Test with a laser pointer or small beam flashlight and record which materials and design reflect the least amount of light.
Ford Factory Trip

Go behind-the-scenes at Ford Motor Company in Dearborn, Mich. to learn how the needs of agriculture customers impact the design, engineering and testing of Ford F-Series trucks. Meet Ford employees who use advanced technologies to solve the practical challenges faced daily in agricultural settings.

AgExplorer Virtual Field Trip: Ford Motor Company
As you watch the field trip to the Ford Motor company, identify 3 careers profiled in the video that you want to learn more about.

Research those careers using the internet and the Career Profile Activity Sheet.

After collecting your research, complete the Similarities and Differences Activity to find the intersection between the three careers. This intersection represents something to keep in mind when considering what type of career you might be interested in.
References:

Money Monday: Making Wise Financial Decisions
Program URL: https://www.pathwayinschools.com/
Specific URL: https://www.pathwayinschools.com/sites/default/files/discover-2-2/

Tech Tuesday: Crack the Code
Program URL: https://www.siemensstemday.com/
Specific URL: https://www.siemensstemday.com/educators/activities

Wellness Wednesday: Learn Safe Driving from Others
Program URL: https://www.teendrive365inschool.com/
Specific URL: https://www.teendrive365inschool.com/safe-driving-resources/educators
Specific URL: https://www.teendrive365inschool.com/educators/quizzes/are-you-ready

Try-It Thursday: Design it to Disappear
Program URL: https://www.generationbeyondinschool.com/
Specific URL: https://aviation.generationbeyondinschool.com/

Field Trip Friday: Ford Motor Company Virtual Field Trip
Program URL: https://agexplorer.com/
Specific URL: https://agexplorer.com/virtual-field-trip/archive/2016-ford
Specific URL: https://agexplorer.com/sites/default/files/pdf/AgExplorer_FordVFT_StudentHandouts.pdf

Weekend Challenge: Conduct an Energy Audit of Your Home
Program URL: http://tgreduexplore.org/
Specific URL: http://tgreduexplore.org/families