

FACS:IT - Made with Code

Summary

Using drag and drop code block you can create a variety of projects. Projects include: 3D bracelet, Photo Accessorizer, Avatar Creation, Say it with a GIF, Beats - editing a sound track, and more to come. There are also several videos that can be watched. These videos show how code help make or fix several things. Resource: <http://www.madewithcode.com>

Time Frame

1 class periods of 60 minutes each

Group Size

Large Groups

Life Skills

Thinking & Reasoning, Communication, Employability, Systems Thinking

Materials

Made with Code website. Project and computer. <http://madewithcode.com>

Background for Teachers

Watch the videos at Made with Code. Work through the 3D Bracelet project and another project before teaching.

Student Prior Knowledge

None.

Intended Learning Outcomes

Students will how code can be used to create a variety of objects and artifacts. They will also learn about careers that coding can lead to.

Instructional Procedures

1. Watch the Things You Love Are Made with Code. 2. Ask what can you make? 3. Do the Make a 3D Bracelet project. 4. Save and/or print the bracelet. 5. Introduce the students to the videos that show coding to develop a variety of projects. (This could be done in small group with each group watching a different video and sharing with them then sharing with the whole class. 6. Have the students watch the other videos at home and try the other projects at home. Have them share what they did in class the next day. 7. Talk about what careers coding could lead to. What were some of the careers that were shown in the videos that we wouldn't think as programming careers?

Strategies for Diverse Learners

Small groups to watch videos and discuss the videos. Paired programming for the projects.

Extensions

Go to Code.org and try some of the activities there. Go to <http://scratch.mit.edu> and try some new projects with Scratch.

Assessment Plan

An artifact or finished project from projects would be an evidence of learning. Discussion of coding careers would show they know careers that they could pursue.

Bibliography

Made with Code - <http://madewithcode.com>

Authors

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