

Intel® Education Teaching and Learning Ideas for ArtRage*

Teachers and students can use Intel® Education software and unit plans to activate higher order thinking skills and foster greater student engagement.

A Painting and Drawing Tool That Simulates Real-World Materials To Enable Students to Create Sophisticated Digital Artwork

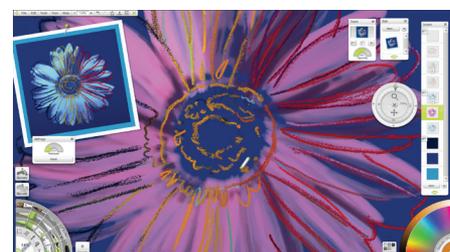
ArtRage* simulates the process of creating art with traditional media (like oils or watercolors) with realistic representations of artist tools, such as brushes and pallet knives. The analog interface helps students draw connections between traditional and digital creative processes while fostering their creative thinking and artistic skills.

The following unit plans are included as examples of how to use this graphic arts tool to promote student learning at your school. The plans address the following objectives to improve teaching and learning:

Elementary School: Reading Literature

Middle School: Literacy

High School: Probability and Statistics



Intel Education Unit Plan: Flat Stanley*

Students use the ArtRage application to draw and illustrate iconic symbols of the cultures they are studying, such as the country flag, food, and other representative products.

The Flat Stanley Project* grew out of a classic children's book by the same name, written by Jeff Brown. Students in thousands of classrooms around the world participate in the Flat Stanley Project. Each class makes its own cardboard flat friend and creates a life story for him. Then, through e-mail or regular mail, students send their friend on vacation with classmates in other countries. When a flat visitor arrives, host children treat him as an honored guest. They take him along on outings, snap travel photos, and keep a journal of their activities and meals, giving insight into life in their part of the world. The records are then shared with the class who sent their "friend" on the visit.

Grade Levels:
3-5

Higher Order Thinking Skills:
Synthesis and Analysis

Key Learning Objectives:
Communication, Cultures

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Intel Education Unit Plan: Composting: Why Bother?

Students use the ArtRage application to create posters promoting a classroom fundraiser based around recycling and ecology.

Some students may have been involved in recycling programs, which are basically waste separation activities. In this unit, students engage in the entire process of making new material from waste as they turn biodegradable garbage into the gardener's "black gold" –rich compost.

In this ecology study, students learn about the composting process, and participate in the "Rot Off!" challenge, a contest that involves making the most compost from the school's kitchen and yard waste. To win the contest (and end up with something other than smelly sludge), students have to learn how to get organic material to decompose (an aerobic process) rather than rot (an anaerobic process). Win or lose, students learn from their composting experiences and use their expertise to help inform others about composting. As a final activity, the compost is used in the school or community garden and sold by the bagful as a classroom fundraiser. Students apply their knowledge about the benefits of recycled compost to use ArtRage to create promotional posters for the fundraiser sale.

Grade Levels:
8-10

Higher Order Thinking Skills:
Synthesis and investigation

Key Learning Objectives:
Economics of waste management,
biodegradation, and decomposition

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Intel Education Unit Plan: The Silk of Our Lives

Students use the ArtRage application to create culturally representative art samples that will be incorporated into their multimedia proposals for an artist jury.

In this unit, students write research paper proposals for a fabric art installation to hang in the Hall of Nations at the upcoming World's Fair. Each proposal prompts students to demonstrate their understanding of one culture's history and traditional arts. As students research their proposals, they review important examples of cultural art and interpret those artworks' significance. They learn to make silk paintings, and they paint scarves that represent one art theme or style of a culture they studied. During a culminating class celebration, students present their proposals and art samples in a multimedia presentation to a World's Fair "jury" made up of local artists.

Grade Levels:
9-12

Higher Order Thinking Skills:
Investigation and interpretation

Key Learning Objectives:
Relationship between culture and art,
traditional art, historical influences
on art, and silk painting

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