ELEMENTARY GIFTED

K-2 Lessons

What Should We Have For Dinner? NEW Use evaluative thinking to make a decision about what to have for dinner. **Lesson Presentation**	**New Pet Decision NEW** Short Description: criteria to make a decision about what kind of pet would be best for your family. **Lesson Presentation**
Cloud Creativity – Part 1 Create an original art work of a sky with different types of clouds in it to show visual and inventive thinking. **Lesson Presentation** **Clouds and Weather Video**	**Cloud Creativity – Part 2** Write an original fiction story to go with your art work from Cloud Creativity Part 1. **Lesson Presentation**
SCAMPER Something Use the creative thinking strategy of SCAMPER to invent something new. **Lesson Presentation** **SCAMPER: A Creative Thinking Technique**	**Recreating Art** Recreate an artwork using visual thinking, shapes, and items around your home. **Lesson Presentation** **Examples of Recreated Artworks**
Compare and Contrast Describe how two items are alike and different by studying their attributes. **Lesson Presentation** **Understanding Venn Diagrams**	**Invent a New Creature** Invent a new creature by giving it specific attributes, create an artwork of your new creature, and write a creative description. **Lesson Presentation** **The Sneetches by Dr. Suess**
M**ystery Story Challenge** You are a detective hired to solve a mystery: The Case of the Missing Teacher **Lesson Presentation** **Deductive Detective** **Miss Nelson is Missing**	**Sort and Classify** You will sort a collection of items into groups and classify them according to their attributes. **Lesson Presentation**
Mystery Challenge Write clues for a family member so they can guess the mystery object, place or animal you're thinking about. **Presentation**	**Mystery Number Challenge** Write clues for a family member so they can guess the secret number you're thinking about. **Presentation**

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3 Lessons

Share Your Work! NEW Students will present their work to their family with the option to share with their teachers using zoom or a recorded video. **Lesson Presentation**	**Coral Reef Reflection NEW** Short Description: Students will reflect upon their work and new learning. **Lesson Presentation**
Coral Review Creative Project Student will create a visual project that educates people about the importance of protecting coral reefs. **Lesson Presentation**	**Coral Reef Written Project** Write about new knowledge regarding coral reefs and how this learning inspired/connects to the visual project. **Lesson Presentation**
Conservation Efforts Investigating ways to preserve coral reefs. **Lesson Presentation**	**The Future of Coral Reefs** Reading articles and envisioning the future for coral reefs. **Lesson Presentation** **Article – Super Corals** **Article – Coral Sounds** **Article – Great Barrier Reef**
Threats to the Coral Reef Take notes on threats facing the coral reefs. **Lesson Presentation** **Coral Reefs by National Geographic**	**Coral Reef Diseases and Pollution** Take notes on coral diseases and plastic pollution. **Lesson Presentation**
What are Corals? Defining corals and reef types. **Lesson Presentation** **Coral Video**	**Coral Reef Creatures** Take notes about reef creatures and create your own. **Lesson Presentation**
Coral Reefs Project Activate schema about coral reefs, and introduce the scenario for inquiry and creative project. **Presentation**	**Importance of Coral Reefs** Students take notes about the importance of coral reefs. **Presentation** **Handout** **Video - Exploring the Coral Reef**

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4 Lessons

Create and Play your Golf Course NEW In this lesson students will create, improve and share their mini golf holes. **Lesson Presentation**	**Unit Reflection NEW** In this lesson students will reflect on the process of building their mini golf hole, and how to apply math to play it. **Lesson Presentation** **Graphic Organizer**
How does friction affect speed? In this lesson students will learn about friction and speed is and conduct experiments. **Lesson Presentation**	**Plan your Minigolf Course** In this lesson students will design their mini-golf course hole and draw a blueprint. **Lesson Presentation**
Introduction to Miniature Golf Students will learn about miniature golf and compare it to the different maze designs they made in last week's lessons. **Lesson Presentation** **Practice Your Golf Game**	**How to Measure Angles and Slopes** Students will about angles and then search their house for some basic angles and practice measuring them. **Lesson Presentation**
Learn About and Make Two Dimensional Mazes Students will learn about different types of two-dimensional mazes and will create their own maze. **Lesson Presentation**	**Learn About and Make Three Dimensional Mazes** Students will learn about three-dimensional (dynamic) mazes. They will create their own dynamic maze and apply math in order to solve it. **Lesson Presentation**
Create your own Game or Sport Students will create their own game or sport that uses a mathematical skill. **Lesson Presentation** **Make a Gameboard Video**	**My Favorite Game Analysis** Students will learn how to write an informative essay. Then they will analyze their favorite sport or game and write an essay explaining the usage of math skills to play the game. **Lesson Presentation** **Informal Essay Video**

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4 Lessons

Math in Games Complete a survey to organize knowledge of how math is used in games and sports. **Presentation**	**Math in Sports** Students will research and analyze the usage of mathematical skills in different popular sports. **Presentation** **Webquests**

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Grade 5 Lessons

Communicate NEW Students will create a presentation for their project in PowerPoint, Google Slides, Word or a video. **Lesson Presentation** **Video on Informational Writing**	**Presentations! NEW** Students will present their project and presentation to an audience and write a reflection on their process. **Lesson Presentation**
Design Process Steps 3 through 6 Students will design their project. **Lesson Presentation**	**Build and Improve** Students will review their design and make any changes. **Lesson Presentation**
Advantages and Disadvantages of Using Nanotechnology Students will read advantages/disadvantages of using nanotechnology and create a T-chart with the information. **Lesson Presentation**	**Design Process Steps 1 and 2** Students will review information that they have learned and start the design process for their nanotechnology project. **Lesson Presentation**
Nanomaterials Research Students will read the research on different nanomaterials to use in their creation. **Lesson Presentation** **Bill Nye explains nanomaterials** **Nanotechnology by National Geographic**	**Nanomaterials Research** Students will read the research on different nanomaterials to use in their creation. **Lesson Presentation** **Why is Nanotechnology Important?**
Nanotechnology Scientists Research Students will read and take notes on 6 nano-scientists. **Lesson Presentation**	**Nanotechnology Scientist Research** Students will read and take notes on 6 nano-scientists. **Lesson Presentation**
Nanotechnology Project Students will explore the connection between nanotechnology and chemical matter. **Presentation** **Video - Nanotechnology**	**Nanotechnology Research** Students will review examples of how small a nanometer is and examine examples of current products using nanotechnology. **Presentation** **Video - The Mighty Power of Nanomaterials** **Research Link**

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The H.O.T. Spot

A weekly publication by Jason S. McIntosh, Ph.D. for gifted learners to explore fascinating topics using Higher Order Thinking (HOT) skills.

H.O.T. Spot #1

H.O.T. Spot #2

H.O.T. Spot #3

H.O.T. Spot #4

H.O.T. Spot #5

H.O.T. Spot #6