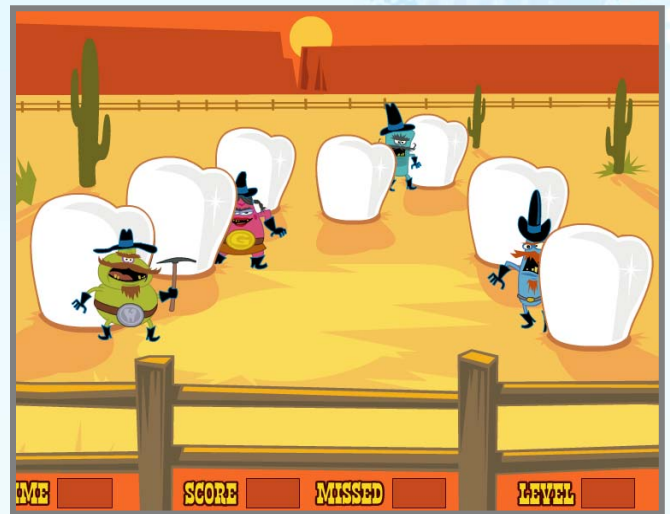


LESSON TITLE:

Showdown at the DK Corral

LESSON DESCRIPTION:

Decay? Cavities? No Way! In this activity, students will be introduced to the Sugar Gang who is attempting to cause cavities down at the DK corral. And it is the student's job to stop them! Using their trusty toothbrush cursors, the students must whack the Sugar Gang when they appear in order to keep the teeth clean.



GRADE LEVEL:

K-3

INSTRUCTION PHASE:

Knowledge, Comprehension

DURATION:

Varies – depending on how many rounds of the game the instructor allows the students to play.

DELIVERY METHOD:

Individual or Pairs

MATERIALS:

1. Computer(s) with Internet access or Kit on CD
2. Projector
3. Projector screen for front of classroom

MANAGEMENT:

- Students will be working individually or in pairs in a computer lab or at computer stations available in the classroom.
- *The educator will need to reserve computer lab time for this activity. Please be aware that the lesson activity after this one may also require the use of this same equipment. If needed, please adjust equipment reservation time accordingly.*

LESSON OBJECTIVES & STANDARDS:

The students will be able to:

1. Tell why it is so important to take care of permanent teeth.
2. Explain what plaque is.
3. Explain how cavities form.
4. Explain the importance of brushing teeth.
5. Identify sugary, sticky foods to avoid.

National Standards

Health: 1, 3, 6

PA State Standards

Health, Safety and Physical Education: 10.1.3C, E; 10.2.3A

ANTICIPATORY SET:

If this activity is done as part of the *Decay? No Way! eLearning Kit®* activities, begin by relating student experiences to the objectives of the lesson by asking the following:

- *What are some foods that you eat that are good for your teeth?*
- *What are some foods that you eat that are bad for your teeth?*
- *Have you ever had a cavity?*
- *How can you keep plaque off of your teeth?*
- *What will plaque do to your teeth?*
- Other than brushing, what can you do to keep plaque off of your teeth?

TEACHING – Input:

Lesson Terms

1. A **cavity** is a small hole in the tooth.
2. **Decay** is to slowly rot.
3. **Enamel** is the hard covering that protects the crown of the tooth.
4. **Fluoride** is a chemical that helps prevent tooth decay.
5. **Plaque** is a sticky coating on teeth from sugars and bits of food.

TEACHING – Modeling:

- Students will gather individually at their computers in the lab or in the back of the classroom. The instructor will direct students to click on the “Showdown at the DK Corral” link from the Wild West Dental Health Room.
- The activity begins with Sheriff Tex Tooth in the town square. He informs the students that the Sugar Gang is up to its’ old tricks again, trying to damage the teeth and cause cavities. It will be up to the students to stop them.
- At any point throughout this introduction, the student will have the option to “Skip to Activity” by clicking on the menu button. This button is located at the bottom left of the screen and can be used at any point during the introduction.
- We then find the Sheriff on his horse riding to the DK Corral. He will be reviewing what plaque and sugar do to the teeth and how cavities form. Once he arrives at the DK Corral, he will then introduce the game and how it is played.
- It is the students’ goal to keep the Sugar Gang off of the teeth in the corral.
- When the students begin the game, their cursor will turn into a toothbrush. This will be the instrument that the students use to remove the plaque from the teeth.
- The game consists of 3 timed rounds and students will have 30 seconds per round to clean off as many members of the Sugar Gang as possible.
- As the students progress through the rounds, the movement of the Sugar Gang will become quicker, making them more difficult to catch. The students can gauge their success by the total points at the bottom of the screen after the last round is complete.

TEACHING – Check for Understanding:

1. It is important to take care of the permanent teeth because they must last us forever.
 - Why do we need to take care of the permanent teeth?
 - What will happen if we don’t take care of the permanent teeth?
 - Do we also need to take care of the primary set of teeth?
2. Plaque is a sticky coating on teeth from sugars and bits of food.
 - How does plaque form on our teeth?
 - What happens if too much plaque forms on the teeth?
 - How can we remove plaque from our teeth?
 - What is plaque made of?
3. Cavities form when plaque mixes with acid in the mouth and begins to decay the tooth enamel.
 - How can we prevent cavities from happening?
 - What three substances need to be present for decay to happen?
 - What is a cavity?
 - Cavities affect which parts of the teeth?
4. It is important to brush your teeth in order to avoid cavities, tooth decay, and plaque build-up. This will allow you to eat, talk, and smile with no problems.
 - What will happen if we do not brush our teeth?
 - Can flossing help to clean our teeth as well?
 - Will cavities form if you do not brush your teeth?
 - What will happen if there is a build up of plaque and acid on your teeth?

5. Some sugary, sticky foods that should be avoided include candy, cookies, and cake.
- What kinds of foods should be avoided in order to keep your teeth healthy?
 - Give some examples of these kinds of foods.
 - What will happen if you eat too many of these kinds of foods?
 - What kind of snacks could we eat instead of these sugary, sticky foods?
 - If we do decide to eat things like candy, cookies, and cake, is there anything that we can do to make sure that they don't hurt our teeth?

CLOSURE:

Review key points of the lesson to help students form a coherent understanding of the lesson objectives. Ask students to tell or show you what they have learned, using questions similar to those found in **Check for Understanding**.