K'Nex Transportation Lesson Plan

Context (InTASC 1,2,3)

Lesson Plan Created By: Taylor Palmer
Created:
Lesson Topic: Community workers and transportation
Grade Level: Kindergarten- Grade 2
Duration: K-1 Approx. 25-30 Minutes
$\qquad$ 2nd grade Approx. 45 Minutes
Kit Contents:

Desired Results (InTASC 4)

Purpose: To identify community members and their roles in the community.
North Dakota Social Studies Content Standards:

- Social Studies Standards: Community Workers
  - 3.1 (Kindergarten) Identify community workers (e.g., librarian, doctor, teacher, police officer, fire fighter, custodian)
  - 3.1 (Grade 2) Identify community businesses and workers, and the goods and services they provide (e.g., restaurant/food, service station/gas, salon/haircut).

Objectives:

- Students will build model vehicles of common community workers.
- Students will identify the services provided in their community.
- Students will demonstrate knowledge of the businesses in their communities.

Assessment Evidence (InTASC 6)

Evidence of meeting desired results: Completion of transportation model. K-1 will match community members to their proper vehicles. Second grade will complete a screencast in groups explaining the roles of the community members.

Learning Plan (InTASC 4,5,7,8)

Instructional Strategy: (Check all that apply)

☑ Direct ☑ Indirect ☑ Independent ☐ Experiential ☑ Interactive

Technology Use(s): (Check all that apply)

☑ Student Interaction ☐ Align Goals ☑ Differentiate Instruction ☑ Enhance Lesson

☐ Collect Data ☐ N/A

Hook and Hold:

  - Bring out a first aid kit and have each student turn to a partner to brainstorm what all a first aid kit contains and who might use it. After about 30 seconds to a minute have a group discussion on the ideas students came up with and talk about what an ambulance vehicle is and what a paramedic does. Then, refer to the power point to show a picture on the smart board of an ambulance vehicle and paramedic.

Materials:

- K'Nex transportation kit
- iPads
- screencast extension on iPads
- computer
- Projector
- smart board
- first aid kit,
- pictures power point,
- k-1 matching worksheet

Procedures:

LESSON PREP: pre-package individual vehicles with their matching vehicle cards. Have a first aid kit available.

1. After the hook, explain to the students that they will be creating their very own community vehicles using the Knex sets.
2. Place students into small groups and give each group a vehicle package and direction card.
3. Give them approx. 10 minutes to create the vehicles.
4. Allow students 1-2 minutes to preview all transportation models.
5. K-1 : discuss with the students what the vehicles are used for, who drives them, and what services they provide. During the discussion move through the power point slides to show what each community worker looks like (ex. When discussing the fire truck model, show the fireman on the powerpoint).
6. K-1 : end the lesson by having the students complete a worksheet by matching community members to appropriate vehicles.
7. 2nd grade : Hand out an iPad to each group and instruct them to create a screencast explaining what their community vehicle is used for and what that community member does.
8. 2nd grade : after about 10 minutes bring the class together to have an ending discussion on what each community member does, while the groups show their creations.

Summary: Have students share their research projects in small groups, focusing on the sharing of new information with their peers. Then have students draw a picture showing the three functions of bones that have been discussed each day.

Reflection (InTASC 9)

Reflect On:

- *Preparation*
- *Planning*
- *Teaching*
- *Student Engagement and Participation*
- *Evidence of Student Learning*

Standards

Council of Chief School Officers. (2011, April) *Interstate Teacher Assessment and Support Consortium (InTASC) model core teaching standards: a resource for state dialogue*. Washington DC. Retrieved from http://www.ccsso.org/documents/2011/intasc_model_core_teaching_standards_2011.pdf

North Dakota Department of Public Instruction. (2011) *North Dakota Academic Content and Achievement.*