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| **Subject:** | Math |
| **Title:** | Create a Three or Four Element Pattern |
| **Grade Level:** | Two |
| **Purpose:** | * To become familiar with patterns. |
| **Curricular**  **Connections:** | * Demonstrate an understanding of repeating patterns (three to five elements) by describing and creating patterns using manipulatives, diagrams, sounds and actions. |
| **Materials:** | * Chart paper * Marker; scissors; glue stick * **3 and 4 Element Pattern** pages * **Make Your Own Pattern** page |
| **Activity:** | 1. Model a simple sound pattern (eg. clap-pat-snap-clap-pat-snap). Invite students to join in. 2. Model a simple action pattern (eg. touch head, shoulder, nose, head, shoulder, nose). Invite students to join in. 3. Invite students to create their own sound or action patterns. Comment about their patterns. Ask them how they know what comes next. (Nudge them towards the concept - repeats.) 4. Ask students what you call something that repeats over and over again? (Nudge them towards the word - pattern.) 5. Ask students what they know about patterns, record responses on chart paper. 6. Students choose the ‘**Three Element Pattern Page’** or **‘Four** **Element Pattern Page**.’ They cut out the hockey equipment to create a pattern on the page. 7. Share patterns with the class. |
| **Extension:** | 1. Students try to recreate another student’s pattern. 2. Students create their own action pattern that could be used as part of a cheer at a hockey game. |
| **Assessment:** | 1. Monitor students as they create their own patterns during the learning stage, assisting students where necessary. 2. Have students complete the **Make Your Own Pattern** Page. 3. Ask students one-on-one to tell you about their patterns. Record what they say about their pattern. |

Name:

**Four Element Pattern**

Can you make a pattern using the four types of hockey equipment below?

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| C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf | C:\Users\Lynn\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\NE4XNHY8\MC900229987[1].wmf |

Name:

**Three Element Pattern**

Can you make a pattern using the three types of hockey equipment below?

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| **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** | **Nike Team Canada Twill Jersey  - White** |
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Name:

**Make Your Own Pattern**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Francois.jpg** | **Francois.jpg** | **Francois.jpg** | **Charlie.jpg** | **Charlie.jpg** | **Charlie.jpg** | **Manny.jpg** |
| **Francois.jpg** | **Francois.jpg** | **Francois.jpg** | **Charlie.jpg** | **Charlie.jpg** | **Charlie.jpg** | **Manny.jpg** |
| **Sarah.jpg** | **Sarah.jpg** | **Sarah.jpg** | **Sarah.jpg** | **Sarah.jpg** | **Sarah.jpg** | **Manny.jpg** |
| **Manny.jpg** | **Manny.jpg** | **Manny.jpg** | **Yuan.jpg** | **Yuan.jpg** | **Yuan.jpg** | **Yuan.jpg** |
| **Yuan.jpg** | **Yuan.jpg** |  | | | | |