

**Math 8**

**How Fast Does Ice Melt?**

Prediction:

Procedure: (draw it)

Data Collection:

Sources of Error:

Why should we care?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criterion D: Applying Mathematics in Real-Life Contexts** | | | | |
| **(0)** | **Beginning (1-2)** | **Developing (3-4)** | **Accomplished (5-6)** | **Exemplary (7-8)** |
| *I have not achieved a standard described by any of the descriptors to the right*. | *I am able to:*  **identify** some of the elements of the authentic real-life situation  **apply** mathematical strategies to find a solution to the authentic real-life situation, with limited success. | *I am able to:*  **identify** the relevant elements of the authentic real-life situation  **select**, with some success, adequate mathematical strategies to model the authentic real-life situation  **apply** mathematical strategies to reach a solution to the authentic real-life situation  **describe** whether the solution makes sense in the context of the authentic real-life situation. | *I am able to:*  **identify** the relevant elements of the authentic real-life situation  **select** adequate mathematical strategies to model the authentic real-life situation  **apply** the selected mathematical strategies to reach a valid solution to the authentic real-life situation  **describe** the degree of accuracy of the solution  **discuss** whether the solution makes sense in the context of the authentic real-life situation. | *I am able to:*  **identify** the relevant elements of the authentic real-life situation  **select** appropriate mathematical strategies to model the authentic real-life situation  **apply** the selected mathematical strategies to reach a correct solution  **explain** the degree of accuracy of the solution  **explain** whether the solution makes sense in the context of the authentic real-life situation. |