

## Grade Level Content Expectations (GLCEs) that can be satisfied by a trip to the **Belle Isle Aquarium!**

### **Seventh Grade**

#### *Science Processes*

S.IP.07.11 Generate scientific questions based on observations, investigations, and research.

S.RS.07.17 Describe the effect humans and other organisms have on the balance of the natural world.

#### *Life Science*

L.OL.07.21 Recognize that all organisms are composed of cells (single cell organisms, multicellular organisms).

L.OL.07.23 Describe how cells in all multicellular organisms are specialized to take in nutrients, which they use to provide energy for the work that cells do and to make the materials that a cell or organism needs.

L.OL.07.32 Examine how through cell division, cells can become specialized for specific functions.

L.HE.07.21 Compare how characteristics of living things are passed on through generations, both asexually and sexually.

L.HE.07.22 Compare and contrast the advantages and disadvantages of sexual vs. asexual reproduction.

#### *Earth Science*

E.ES.07.41 Explain how human activities (surface mining, deforestation, overpopulation, construction and urban development, farming, dams, landfills, and restoring natural areas) change the surface of the Earth and affect the survival of organisms.

E.ES.07.42 Describe the origins of pollution in the atmosphere, geosphere, and hydrosphere, (car exhaust, industrial emissions, acid rain, and natural sources), and how pollution impacts habitats, climatic change, threatens or endangers species.