

Iowa Science Phenomena



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Part I: Overview of Workplace

Iowa Public Television (IPTV) is a broadcasting network which began in 1967. The focus of IPTV is to educate, inform, enrich, inspire and entertain. Over two million viewers tune in each month. In addition to television programming and online resources, IPTV connects to the community through educational outreach.

Part II: Workplace Focus

Olivia partnered with IPTV to curate and create Iowa phenomena resources that are engaging for students in grades K-12. The phenomena, ranging from migration of snow geese to extreme weather, align with Iowa science standards and are located on a website as an educator resource for embedding phenomena into science lessons.

Part III: Introduce the Problem

Science teachers need an organized resource that identifies Iowa phenomena to use in classrooms. Science phenomena help students to deeply connect to science content, ask meaningful questions, and create curiosity about science.

Part IV: Background

- Produce photo/video of Iowa phenomena
- Tie phenomena to Iowa Core Science Standards
- Conduct research related to science content in order to:
 - Write extended-answer questions
 - Research relevant resources

Part V: Workplace Solution

IPTV created a website with science phenomena tied to the Iowa Core Science standards. The phenomena are curated from already existing footage from IPTV programs such as Iowa Outdoors, Iowa Land and Sky, and Market to Market. We also created our own phenomena by partnering with

Part VI: Educational Pathways

- Communications/Journalism
- Education
- Graphic Design
- History
- Science (Biology, Ecology, Meteorology, Agriculture, etc.)
- Videography/Photography