

Birth Defects and Disorder Model Set

Curricula Overview

Designed for:

- Middle school students
- High school students
- Clinical education
- Community education

Length:

The activities in this curricula will last approximately three hours. With supplemental materials, this curricula can be adapted to a longer block of time.

Goal:

To help participants understand Down syndrome, common birth defects, and tetralogy of Fallot.

Synopsis:

This curricula covers key topics regarding birth defects, including Down syndrome, tetralogy of Fallot, clefts, clubfoot, anencephaly, and spina bifida. Participants will learn about the risk factors, health challenges, and misconceptions associated with these defects. The curricula uses engaging activities that feature knowledge checks, pre- and post-assessments, and a certificate of completion.

Curriculum Components:

- Curricula – Complete lessons, including detailed steps of activities, time and materials needed, student handouts, and instructor information to teach the lesson
- Student materials
- Assessment tools
- Presentation slides

Learning Objectives:

Understanding Down Syndrome

- Gain awareness of the facts and causes surrounding Down syndrome
- Document initial knowledge of Down syndrome before the start of the lesson
- Understand common misconceptions about Down syndrome
- List key national and international statistics surrounding Down syndrome
- Identify the potential characteristics of Down syndrome
- Identify short- and long-term effects on infants born with Down syndrome

Understanding Common Birth Defects

- Gain awareness of the causes and risk factors surrounding four common birth defects
- Document initial knowledge of common birth defects before the start of the lesson
- Understand the diagnosis and treatment of common birth defects
- List key national and international statistics surrounding common birth defects
- Identify short- and long-term effects on infants born with Down syndrome

Understanding Congenital Heart Defects in Infants - Tetralogy of Fallot

- Gain awareness of the causes and risk factors surrounding tetralogy of Fallot
- Document initial knowledge of this congenital heart defect before the start of the lesson
- Understand the diagnosis and treatment of tetralogy of Fallot
- List key national and international statistics surrounding this congenital heart defect
- Identify short- and long-term effects on infants born with tetralogy of Fallot