

**Curriculum Barriers**

**Model Template**

**Grade:** 3

**Teacher:** Mrs. G.

**Subject:** Science

**Standard:** 6.23—Plants lifecycle

**Goal:** *Research and present information on a flower.*

<b>Materials and Methods</b>	<b>Student Qualities</b>	<b>Potential Barriers/Missed Opportunities</b>
Printed textbook	<i>Kevin</i> —Low vision <i>Bill</i> —Loves computer graphics <i>Brian</i> —Limited English	Difficulty seeing small text Textbook does not tap into this interest and skill Difficulty decoding and understanding the word meaning
Lecture/whole class presentation	<i>Jose</i> —Limited English <i>Helen</i> —Home problems <i>Kiwa</i> —Loses focus, dreams	Difficulty comprehending meaning May not engage with material, distracted from listening May not engage with material, distracted from listening
Library research	<i>Brian</i> —Organizational problems <i>Kiwa</i> —Trouble with key concepts	May have trouble keeping track of what he is learning May not be able to abstract the important content for project
Written report	<i>Sarita</i> —Poor writing mechanics <i>Jake</i> —Talented at drawing	Difficulty expressing her ideas effectively Does not tap into Jake’s drawing skill
Flower drawing	<i>Phillip</i> —Fine motor problems	Drawing is physically arduous—may not engage him
Oral report on flower	<i>Jorge</i> —Saxophone player <i>Brian</i> —Easily discouraged	Does not tap into Jorge’s musical talent May intimidate Brian
Independent project	<i>James</i> —Strong leadership and collaboration skills <i>Helen</i> —Distracted, personal concerns <i>Elizabeth</i> —Deep knowledge of plants	Context won’t draw on his leadership and collaboration skills.  Helen could have difficulty working alone.

## Examples of Prevailing Methods and Materials

### Materials/Media

#### Printed materials

Textbook  
Workbook  
Trade book  
Posters  
Worksheets  
Newspapers/magazines

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#### Computer based materials

CD-ROM  
Internet  
Interactive software  
Applications  
Graphics

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#### Images

Photographs  
Drawings  
Timelines  
Graphs  
Charts  
Tables  
Maps

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#### Presentation/student response media

Video  
Audio (tape/CD)

### Methods/Student Activities

#### Information presentation method

Chalk/white board  
Overheads  
Lecture  
Printed notes/outlines  
Handouts

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#### Learning context

Small-group discussion  
Large-group discussion  
Independent reading  
In-class assignment  
Homework

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#### Instructional formats

Small-group instruction  
Individual seatwork  
Lecture  
Collaborative learning  
1-to-1 instruction  
Hands-on activities

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#### Project/presentation formats

Term paper/research paper  
Group project

Slides/overheads  
Pen/pencil  
Highlighters  
Art supplies  
Computer tools  
Music

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**Objects**

Manipulatives

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Oral presentation  
Handwritten paper  
Drawing/diagram  
Three dimensional project  
Oral reading  
Graphic presentation

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**Student research**

Library research  
Online research  
Data collection  
Interviews

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**Curriculum Barriers**

**Blank Template**

**Grade:**  
**Goal:**

**Teacher:**

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**Subject:**

**Standard:**

<b>Materials and Methods</b>	<b>Student Qualities</b>	<b>Potential Barriers/Missed Opportunities</b>