Symmetry and Identity: An Exploration of the Progress Flag

autor: Bandio wai
Materials

## .Whats in 5 Symbol? silides <br> Color-Pesesering symmetry and Symmetry of the Outinine handout



## Instructional Plan








$\underset{\substack{\text { Day } 1 \\ \text { Begin the eess }}}{ }$



Move on to the Symbols and ldentity silde and use the questions so focilitate a class discussion on the imporatance of symbols and how, for some


Following this discuss
whatitrepersesnts.

 the meaning of the Progresss hag (using the frogress Pide fiag silie).





 does it mean to be "math hing" Woulut the eolors matater in match These questions can be used to toailifite a discususion on the

Move on to the Which One? sidid and ask students to consider fithe Progress thag is an example o s symmetry of the outine or color-presesuing
symmetr.


Distribut the Color-Presening Symmetry and Symmetry of the Outine handoutto students and alow them to work in pairs or smal groups to
iswer the five uuestions.
 the class

 Lesed on the Thinking about Ouestion 5 side of the "What's in a Symbor" presesentaiton.
Atero liscussing the importance of the colors of the Progresss flag in reation to LGBTO+ idenity, distribute the My ldentity Flag handout to


| Day 3 |
| :---: |
| Note: This |



hecovvene students sora whole-class discusssion of the gallery walk and overall lessons searned about both symmetry and identitien

## Assessments and Extensions

Assessments
Student-identity lags and the gallery walk may be used to assess their undestand
.


Questions and Reflections
Note: Student reflection questions are included in the galley walk actiy
reacher Reflection

1. What went well
 demonstat enis understanding? Which sucuens showed opportuities for more growntr? What were their misconceppions? What instructional strategies mightli implement . Whics stuodents she
How did d create a sate enviromment tor my students to share theirid dentity lags and discuss other elements of identity? How can limprop
in this area of of tuture essonss?

2. Do any spenific students need greaeer supoort in respectully discusing the identities of their peers of of other individuals different foom
3. What did this lesson how me that Ineededtot oleasin t tems of t LGerT+ people and thei experiences?

Objectives and Standards
Leaming ojiectives
Students
dentibe abl
dines
Create examples and nonexamples of images that have ines of symmerty that are color prosesing or a symmetty of the outine
Analyze and discosss (respectuluy) sinilurities and diff


Teaching TTieranco Social Uustice Standards



Related Resources
Supporting LGBTO+ Students in $k$-12 Mathematics

References


