

# Protein Mission

## Pedagogical Scenario

### Pre-briefing (out of class)

#### Preparation of material (out of class)

Teacher

1. Concepts of: transcription, base pairing; RNA splicing; transcription, tRNA, codon and anticodon, polypeptide structures, elongation and folding
2. Case study on hemophilia
3. Knowledge questionnaire
4. VR activity documentation
5. Teacher's guide



20 min



Resource  
curation

#### Mapping of detailed activity plan and distribution of documentation (in class)

Teacher

1. Map activity plan with students.
2. Distribute Part one of the case study.
3. Distribute VR preparatory documents.
4. Review **introductory guide**.
5. Review **student support file**.



15 min



Present

#### Study case reading (out of class)

Read **Part 1** of the case study and answer associated questions.



20 min



Individual

Students

#### Facilitation of discussion (in class)

Teacher

Lead discussion on case study and distribute the pre-activity knowledge questionnaire.



Orchestrate

#### Group discussion (in class)

Discuss answers to Part I of the case study.



15 min



Group

Students

#### Pre-activity questionnaire (in class)

Answer pre-activity questionnaire.



10 min



Individual

Students

#### Preparation for VR activity (out of class)

Students

Familiarization with VR documentation.

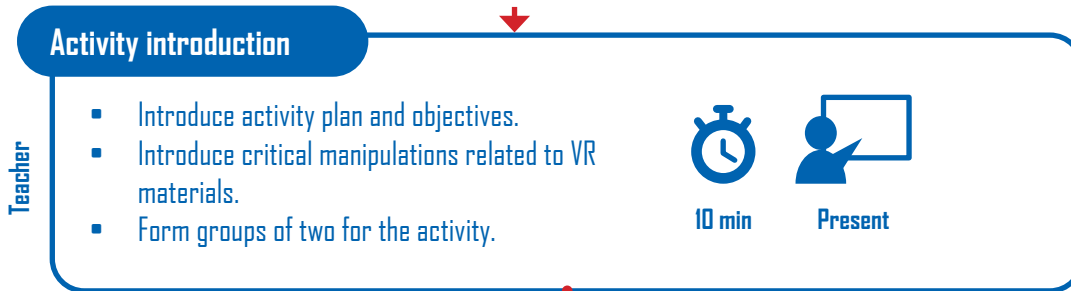


20 min

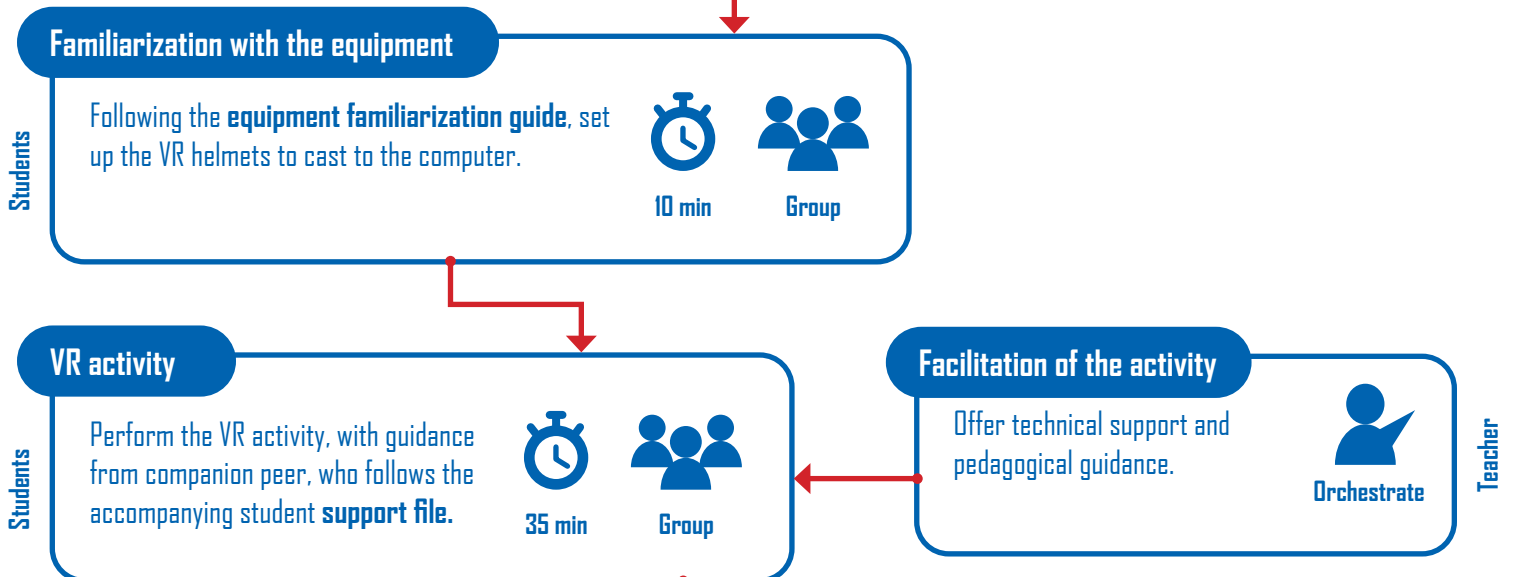


Individual

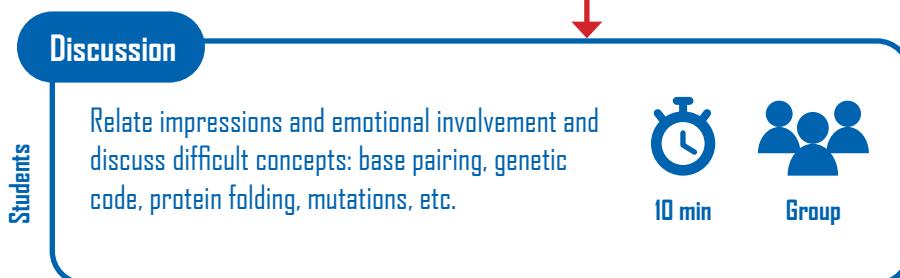
## Briefing (in class)



## Activity (in class)



## Debriefing post VR activity (in class)



## Debriefing (in class)

