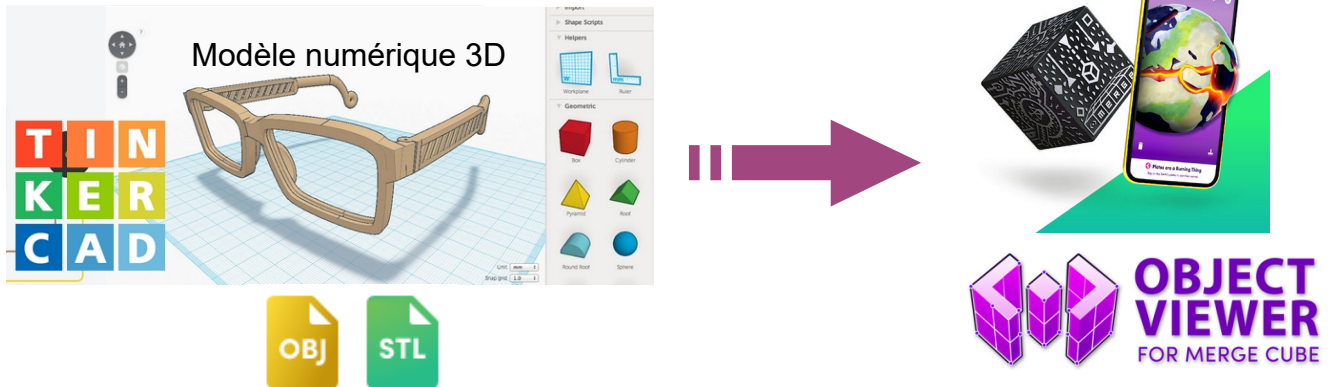


MODELISATION 3D et SIMULATION en Réalité Augmenté RA

> Comment intégrer un modèle numérique dans un environnement réel ?



1° : Imprimer un MERGE Cube (papier ordinaire ou cartonné)



2° : Créer un compte sur le site web **MERGE EDU** (gratuit) :

<https://login.mergeedu.com/login>

MERGE EDU

3° : Importer son modèle 3D sur son compte **MERGE EDU** (site web)

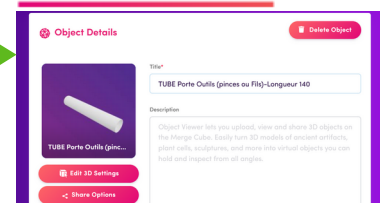


www.tinkercad.com

Drag & Drop or **browse**



MERGE EDU



4° : Paramétrer (éventuellement) les effets 3D (couleurs, textures etc...) / Enregistrer.

5° : Générer un code pour partager son modèle depuis l'appli **MERGE Object Viewer**



6° : Installer l'appli pour smart phone/tablette et ouvrir son modèle 3D en Réalité Augmenté

> taper le code du modèle 3D > flasher le MERGE Cube > observer la mode en RA (Réalité Augmenté) ou flasher un QR Code

1° : Imprimer et construire son MERGE Cube en papier au format A4 (GRATUIT)

> je conseille de l'imprimer sur papier (A4) cartonné (ou papier collé sur carton plus épais)

lien de téléchargement du modèle papier à découper :

<https://www.laclass.com/portail/?token=2842622:phUCa8G5Weq9suxV#app.docview/node/2842622>



Il existe des MERGE Cube en plastique au prix de 15 € environ sur Internet

MERGE
Paper Cube
MERGECUBE.COM/PAPER

STEPS

- 1 Print out this page
- 2 Cut out along dashed lines
- 3 Fold into cube shape
- 4 Glue and/or tape cube together
- 5 Get apps at MergeCube.com

Visit MergeEDU.com/shop to purchase a real MERGE Cube.

Download Merge EDU apps
www.MERGECUBE.com

Buy now

Download apps

www.MERGECUBE.com

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**MODELE A4
IMPRIMABLE EN
DERNIERE PAGE**

> En cours de réalisation : cube imprimé en 3D > imprimer les 6 faces sur papier > découper et coller chaque face (papier) sur le cube imprimé en 3D (cube imprimé en 3D aura chaque face légèrement renforcée afin de protéger les faces collées en papier).

2° : créer un compte (gratuit) : <https://login.mergeedu.com/login>

- > création d'un compte gratuit <https://login.mergeedu.com/login>
- > un compte gratuit permet d'importer 5 modèles 3D personnels (d'après mes tests)
- > Possibilité d'accéder à des centaines de modélisations gratuites (et payantes)

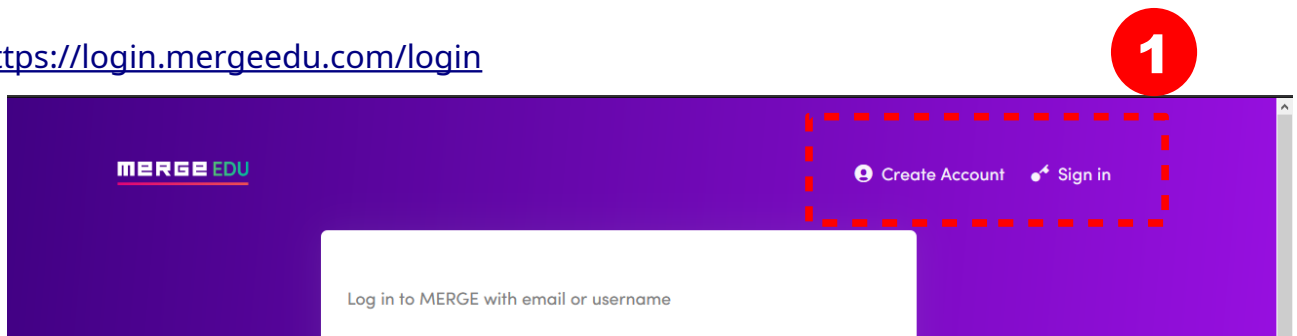
3° : importer son modèle 3D sur son compte MERGE.edu (site web)

4° : Paramétrer les effets 3D (couleurs, textures ...)

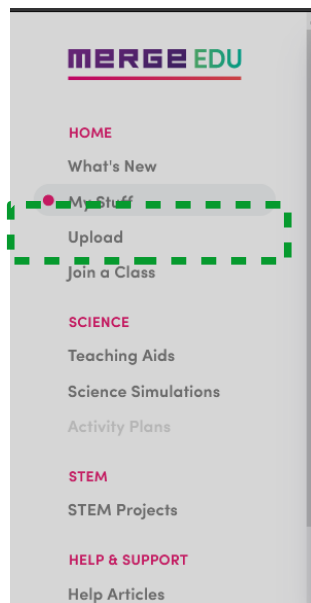
5° : Générer un code pour partager son modèle 3D

3-1 : se connecter au site web à **MERGE EDU** et s'identifier (ou créer un compte gratuit puis s'identifier)

<https://login.mergeedu.com/login>



2
Upload



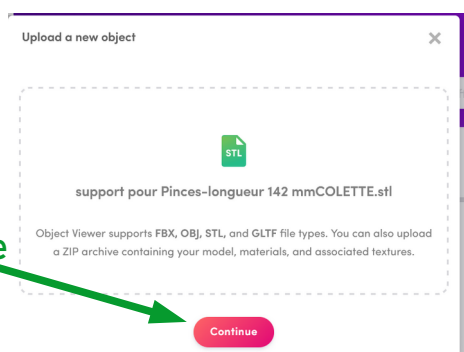
Upload a new object

Cliquer / déposer un fichier .stl

3



4
Continue



Patienter

5



Le modèle numérique est chargé

6

Donner un nom au modèle

Object Details

Delete Object



Edit 3D Settings

Share Options

Title*

support pour Pincés-longueur 142 mmCOLETTE

Description

Object Viewer lets you upload, view and share 3D objects on the Merge Cube. Easily turn 3D models of ancient artifacts, plant cells, sculptures, and more into virtual objects you can hold and inspect from all angles.

7

8

Générer un code ou QR code

9

Share Object: support pour Pincés-longueur 142 mmCOLETTE



Print QR Code

Copy Link

Object Code: WK1V9M

Cancel

POUR ALLER PLUS LOIN AVEC LE MERGE CUBE

> <https://portaleduc.net/website/merge-cube/>

> <http://svt.discipline.ac-lille.fr/ressources/tice/realite-virtuelle-et-realite-augmentee/realite-augmentee-avec-le-merge-cube>

MERGE Viewer



https://play.google.com/store/apps/details?id=com.MergeCube.ObjectViewer&hl=en_US&gl=US

MERGE Explorer



https://play.google.com/store/apps/details?id=com.MergeCube.EDUExplorer&hl=en_US&gl=US

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STEPS

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