



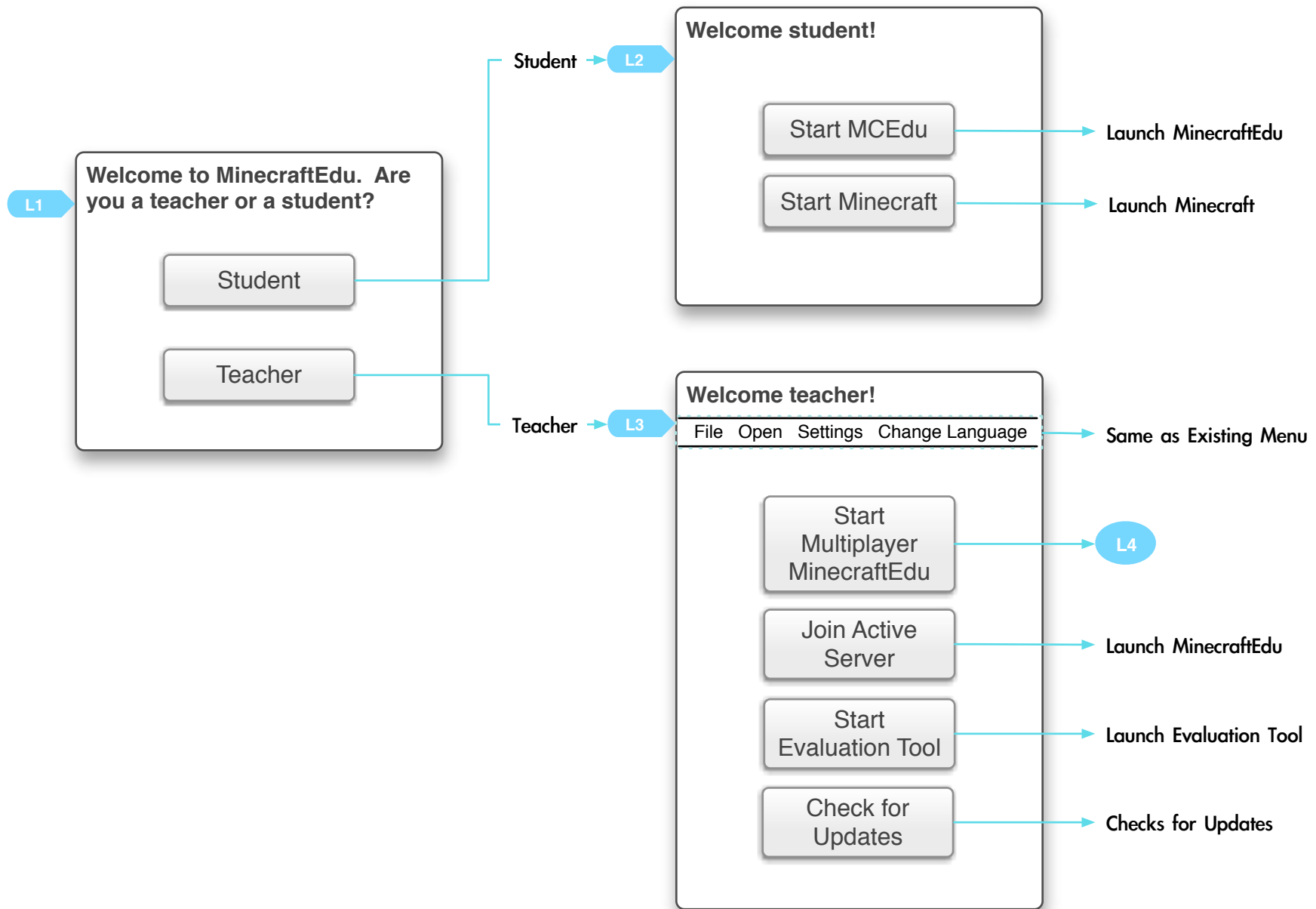
PIXEL PUSHERS

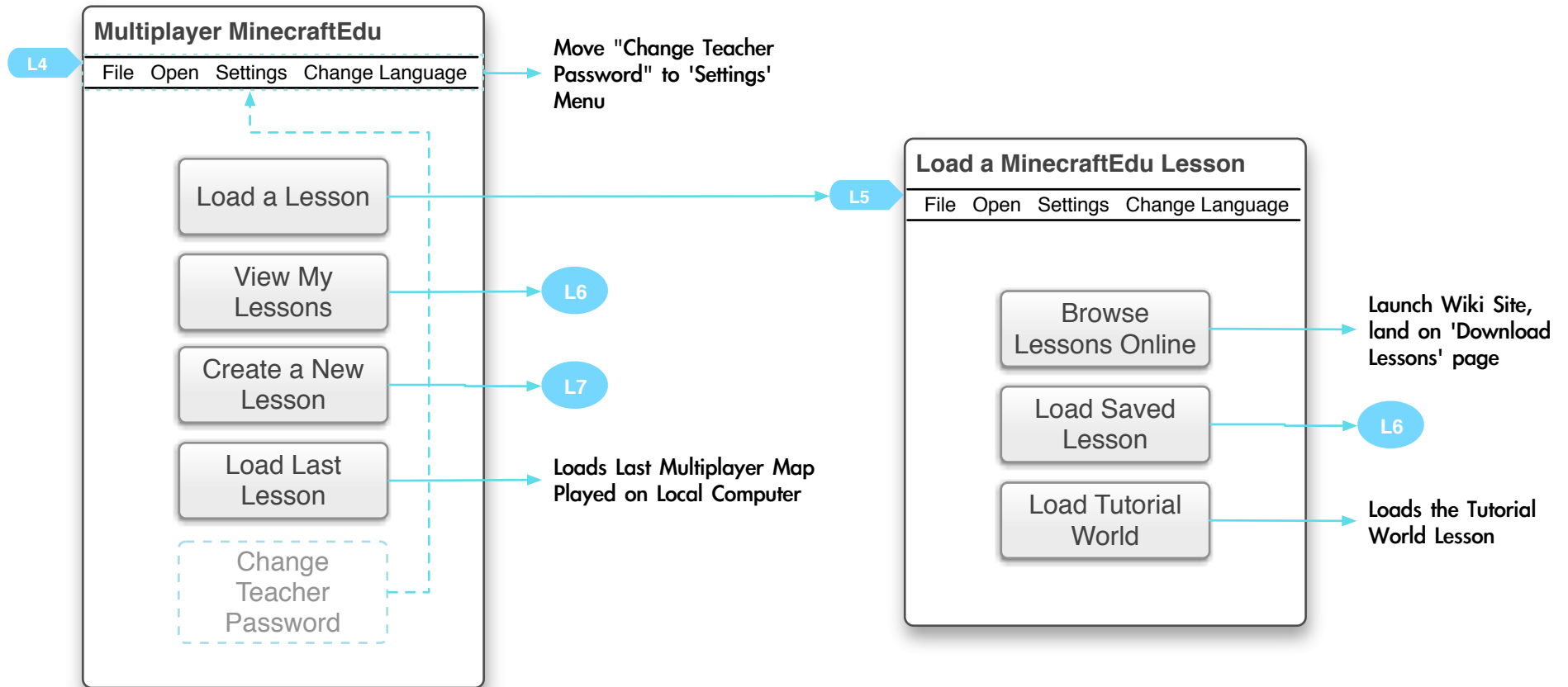
<http://www.etc.cmu.edu/projects/minecraft/>

MinecraftEdu Launcher and Server tool

Wireframes and Flows v1.0







The Tutorial World has been moved to the list of lessons, see wireframe L6

L6

Load a Saved Lesson

File Open Settings Change Language

Select Lesson:

| Subject ▾ | Lesson | My Rating | Created By |
|----------------|-----------------------|---------------|------------|
| Art | Cubism | ★★★★★ | Fred R. |
| Geography | US States | ★★★ | Bob M. |
| History | World War II | ★★★★ | Sue G. |
| Math | Number Line | ★★ | Mike F. |
| Tutorial World | MinecraftEdu Tutorial | Not Yet Rated | Jess B. |

Description:

Overview and Objective:
 What the purpose of the lesson is. What the students will learn / experience.
 Can be freeform or creative in nature

Start Server with Selected Lesson (L9)

Read More about the Selected Lesson (L8)

Delete the Selected Lesson (L26)

Browse Lessons Online (Launch Wiki Site, land on 'Download Lessons' page)

Create a New Lesson (L7)

Cancel (L4)

This button is grayed out until a lesson is selected

L9

L8

L26

Launch Wiki Site, land on 'Download Lessons' page

L7

L4

The lesson are sorted alphabetically. Clicking a column heading sorts the lessons by that column

L8

Load a Saved Lesson

File Open Settings Change Language

Description:

Overview and Objective:
 What the purpose of the lesson is. What the students will learn / experience.
 Can be freeform or creative in nature

Start Server with this Lesson

View all Lessons

Lesson Plan:

The teacher's guide with any script or instructions.

May include a [link](#) to the wiki page to get additional materials/ worksheets/ charts.

May include a [link](#) to the wiki page to watch an instructional video.

May include a [link](#) to the wiki page to view screenshots.

Rate this Lesson:

★★★★☆

[Click Here](#) to share feedback online

Average Rating:

★★★★☆

L9

L6

Launch Wiki Site, land on this lesson's page

Eventually the Launcher Application should house an area that allows users to browse existing lessons from a database. The lessons should be sortable / searchable by Subject, Domain, Cluster, Keyword, and Rating

- Overview - (2 line description)
- Screenshots - (A picture is worth 1000 words...)
- Objective - (What the purpose of the lesson is. What the students will learn/experience. Can be "freeform" or "creative")
- Activity(ies) - (What the students will actual be doing)
- Lesson Plans - (the actual teacher's guide, with any script or instructions)
- Video demo and/or written walkthrough - (optional, but quite useful)
- MinecraftEdu world files - (The actual download)
- Supporting files (maps, charts, guides, worksheets... etc)
- Credits

Joel's original list of data to be included

L7

Create a Lesson

Select a map type to start the world with:

| | |
|--|-----------------------------------|
| <input checked="" type="radio"/> Flat map, empty grassland | <input type="radio"/> Random map |
| <input type="radio"/> Forrest map | <input type="radio"/> Coastal map |
| <input type="radio"/> Mountainous map | <input type="radio"/> River map |
| <input type="radio"/> Desert map | <input type="radio"/> Swamp map |

Select the subject this lesson falls under:

Geography ▼

Enter a name for this lesson:

Country Capitals

Enter a brief description of the lesson you will create:

Overview and Objective:
What the purpose of the lesson is. What the students will learn / experience.
Can be freeform or creative in nature

You will be able to edit the lesson description and add a lesson plan later

Create This Lesson

Browse Lessons Online

Cancel

L11

Launch Wiki Site, land on 'Download Lessons' page

L4

Animals enable/ disable, Nether enabled/ disabled, and Monsters enabled/ disabled have been moved to L14

A strategy for compiling a list subjects needs to be established. If we let teachers type in anything it will be difficult for users to sort through it. We need to restrict the options to a long but concrete list

Seeds to create specific worlds need to be found and coded into the software. Some lessons teachers create will use the same seed / world

L11

Create a Lesson

Select a map type to start the world with:

| | |
|--|-----------------------------------|
| <input checked="" type="radio"/> Flat map, empty grassland | <input type="radio"/> Random map |
| <input type="radio"/> Forrest map | <input type="radio"/> Coastal map |
| <input type="radio"/> Mountainous map | <input type="radio"/> River map |
| <input type="radio"/> Desert map | <input type="radio"/> Swamp map |

Select the subject:
Geography


Enter a name for the lesson:
Country Capitals

Enter a brief description of the lesson you will create:

Overview and Objective:
What the purpose of the lesson is. What the students will learn / experience.
Can be freeform or creative in nature

You will be able to edit the lesson description later

Buttons: Create This Lesson, Browse Lessons Online, Cancel

 **The Lesson "lesson name" has been created! It now appears in your saved lessons**

Start Server with this Lesson

L9

L9

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Launch MinecraftEdu and join the server to begin.

If this is your first time joining a server from this computer, begin by launching MinecraftEdu



Click the 'Multiplayer' button to go to the Multiplayer page. Click the 'Add Server' button



Enter "localhost" into the 'Server Address' field. Name the server "Local Host Server". Click the 'Done' button

Launch MinecraftEdu

Launch MCEdu, this screen goes to L10

MinecraftEdu is already running

L10

Visit Website for Help

Launch Wiki Site, land on main server help page

Stop Server and Close Current World

L24

[Next](#)

L9.2

Server address and lesson name are constant at the top of this window. The text next to the server address is also constant. The name of the lesson may take up an entire line

L9.2

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Launch MinecraftEdu and join the server to begin.

If this is your first time joining a server from this computer, begin by launching MinecraftEdu



If you have previously added a server with a "localhost" address to MinecraftEdu, simply select it and click the 'Join Server' button



Anyone may use the Server Address (128.3.451.152) to join this server and explore your lesson

Launch MinecraftEdu

Launch MCEdu, this screen goes to L10

MinecraftEdu is already running

L10

Visit Website for Help

Launch Wiki Site, land on main server help page

Stop Server and Close Current World

L24

[Previous](#)

L9.1

L10

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: lesson name

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Teacher Creative Mode

When enabled double tap space bar to fly. Grants unlimited blocks and instant dig

Spectate

Makes you invisible to others and allows you to move faster

Quiz Students

Freezes all students until they correctly answer the question you type in

Give Students an Assignment

Type in an assignment that appears on every student's screen

Teleport everyone to me

Teleports everyone to your position

Teleport me to the spawn point

Teleports you to where you begin in this Minecraft world

Teleport a single Player:

Type player name or select from the drop down

Teleport player to me

Teleport a single player to me

Teleport me to player

Teleport me to a single player

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

Removed the "Teleport everyone to spawn" button because "Teleport me to spawn" and "Teleport everyone to me" cover that functionality. Got rid of "Teleport teachers to me" because "Teleport a single player" covers that functionality (and teachers can always teleport to you)

This page has been expanded vertically in comparison to the other pages. Ideally the user interface should stay a consistent size. These are rough wireframes, refinement and visual mockups are needed to assess actual page size

L13

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Students Can Build

When enabled students can build, except on top of build disallow blocks

Student Creative Mode

When enabled students have creative mode powers

Health and Hunger

When enabled everyone will need to eat and will be susceptible to damage

Mute Students

When enabled students will not be able to use the in-game chat

Freeze Students

When enabled students students can not move

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

All of the user-facing copy that describes functionality has been re-written to be more user friendly. This includes some of the button copy

L14

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Night

When enabled night and day will cycle. One day and night cycle takes 20 minutes

Weather

When enabled rain and storms will occur

Monsters

When enabled monsters will spawn. They will attack players and blow up structures

Animals

When enabled pigs, chickens, cows, and sheep will spawn

Tropification

When enabled deserts can be converted to forest

Desertification

When enabled forests can be converted to deserts

Allow Fire and TNT

When enabled fire will spread and TNT will explode

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

The heading "Environment Settings" is used because it more clearly describes this set of options than "World Settings"

L15

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Item or Block to Give:

Type item name or select from the drop down

Amount to Give:

Max 99

Give to All Players

Button is grayed out until a player has been selected

Give to One Player:

Type player name or select from the drop down

Give to Selected Player

Button is grayed out until a player has been selected

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

Combo Boxes

L16

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Long Distance Building

When enabled you can place or dig blocks up to 60 blocks away

Fill / Clear Mode

When enabled you can fill or clear an entire area between two placed blocks

Horizontal Build Mode

When enabled you can build block in the air and change distance with the + and - keys

Place Amount:

Max 99

Set how many blocks will be placed each time you place a block

Dig Amount:

Max 99

Set how many blocks will be dug each time you dig a block

Undo Last Fill

Undo Last Place

Undo Last Dig

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

L17

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings | **Student Settings** | **Environment Settings** | **Give Items** | **Build Settings**

Enter a name for the Assignment:

Enter a description of the Assignment:

Set Assignment The assignment name and description will appear on each student's screen until you clear it

Clear Assignment The assignment name and description will be cleared from all students' screens

Cancel

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

L18

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: The lesson name could be lengthy and take up a whole line

Teacher Settings

Student Settings

Environment Settings

Give Items

Build Settings

Enter a question to ask the students:

Possible answers:

A.

B.

Add an Answer

Adds another possible answer the students have to choose from

Quiz Students

The question and possible answers will appear on each student's screen until answered correctly

Cancel

View Lesson Plan

L19

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

Changes to "Clear Quiz" button when a question has been asked and not all students have answered

Clear Quiz

The question and answers will be removed and the students will be un-frozen

L19

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: lesson name

Description:

Overview and Objective:

What the purpose of the lesson is. What the students will learn / experience.
Can be freeform or creative in nature

Back to MCEdu Settings

L10

Edit Lesson Plan and Description

L20

Save Current Lesson

L21

Visit Website for Help

Launch Wiki Site, land on contextual help page

Stop Server and Close Current World

L24

Lesson Plan:

The teacher's guide with any script or instructions.

May include a [link](#) to the wiki page to get additional materials/ worksheets/ charts.

May include a [link](#) to the wiki page to watch an instructional video.

May include a [link](#) to the wiki page to view screenshots.

L20

The MinecraftEdu Server is Running!

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: lesson name

Description:**Overview and Objective:**

What the purpose of the lesson is. What the students will learn / experience.
Can be freeform or creative in nature

Back to MCEdu
Settings

L10

Done Editing

L19

Save Current Lesson

L21

Visit Website for
Help

Launch Wiki Site,
land on contextual
help page

Stop Server and
Close Current World

L24

Lesson Plan:

Format ▼ Font ▼ Size ▼ A ▼ ab ▼

B *i* u 1 2 3

The teacher's guide with any script or instructions.

May include a [link](#) to the wiki page to get additional materials/ worksheets/ charts.

May include a [link](#) to the wiki page to watch an instructional video.

May include a [link](#) to the wiki page to view screenshots.

The description and lesson plan can be edited here. Only allowing simple text may increase the readability of lesson plans. Where this data should live and exactly how these screen will look needs more thought. The lesson plans could exist on the web as wiki pages but it would be better to have it live as a part of the MinecraftEdu save file

The MinecraftEdu Server is Running!

L21

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: lesson name

Save Current Lesson

Saving the Lesson will overwrite your previous MinecraftEdu World. Everything you or your students have done in the world will be saved. Your lesson plan and lesson description will also be saved.

If you want to keep a copy of the MinecraftEdu world exactly as it was when you started this session select "Save a Copy". The original file will be kept and a version of the world as it is now will be saved. Your lesson plan and lesson description will also be saved.

If you only want to save the lesson plan and description select "Save Lesson Plan". The lesson plan and description will be saved, but any changes to the MinecraftEdu world will not be saved.

Save Over Existing Lesson

L23.1

Save A Copy of this Lesson

L22

Save Lesson Plan

L23.2

During the save process might be a good time to ask the user if they wish to upload a lesson to the web site. A method for uploading teacher-created lessons need to be figured out and worked into the long term plan for the user interface

The MinecraftEdu Server is Running!

L22

Server Address: 128.3.451.152 Anyone may use this number to join your current world

The server is running lesson: lesson name

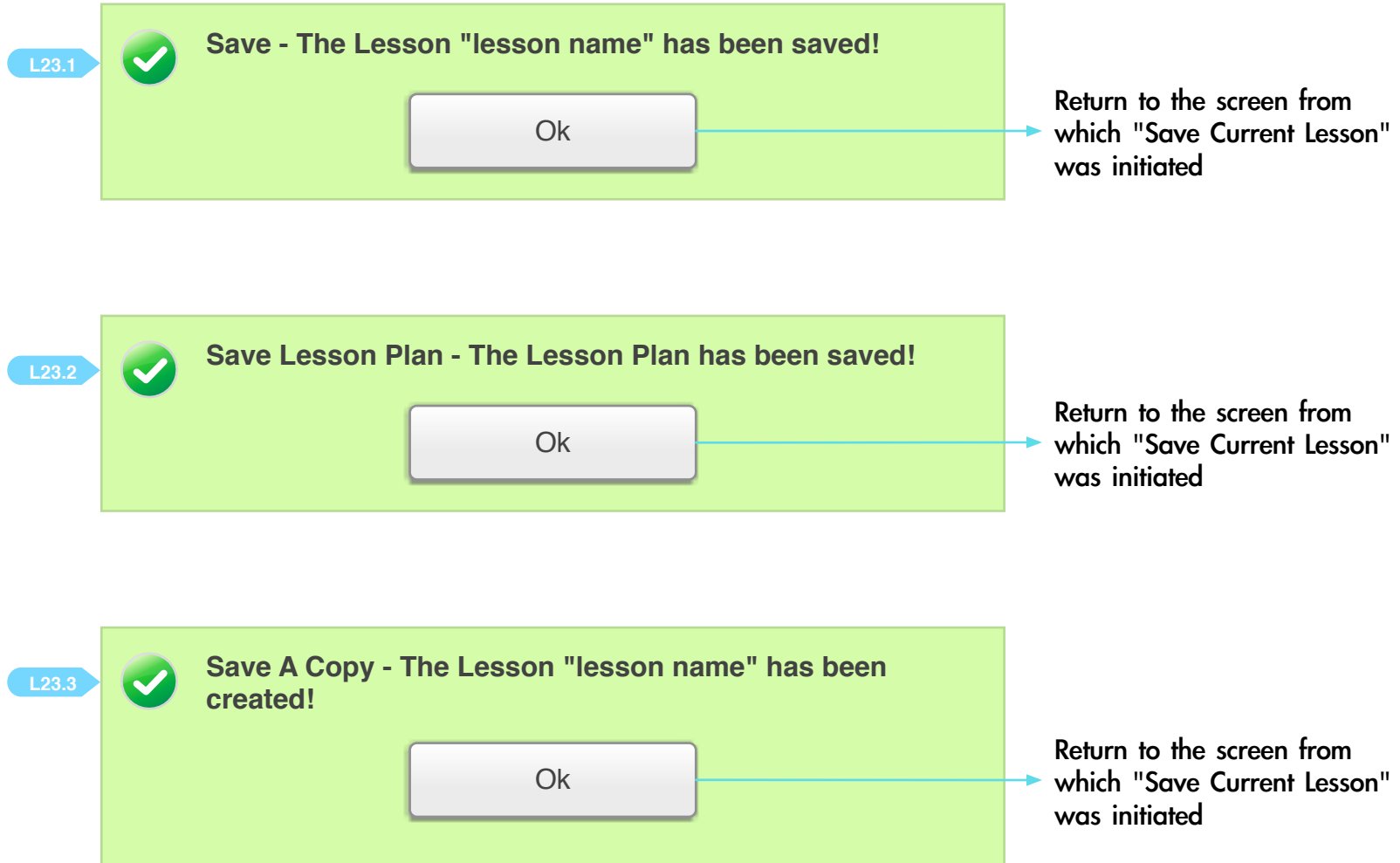
Save A Copy

Enter a name for the new save file:

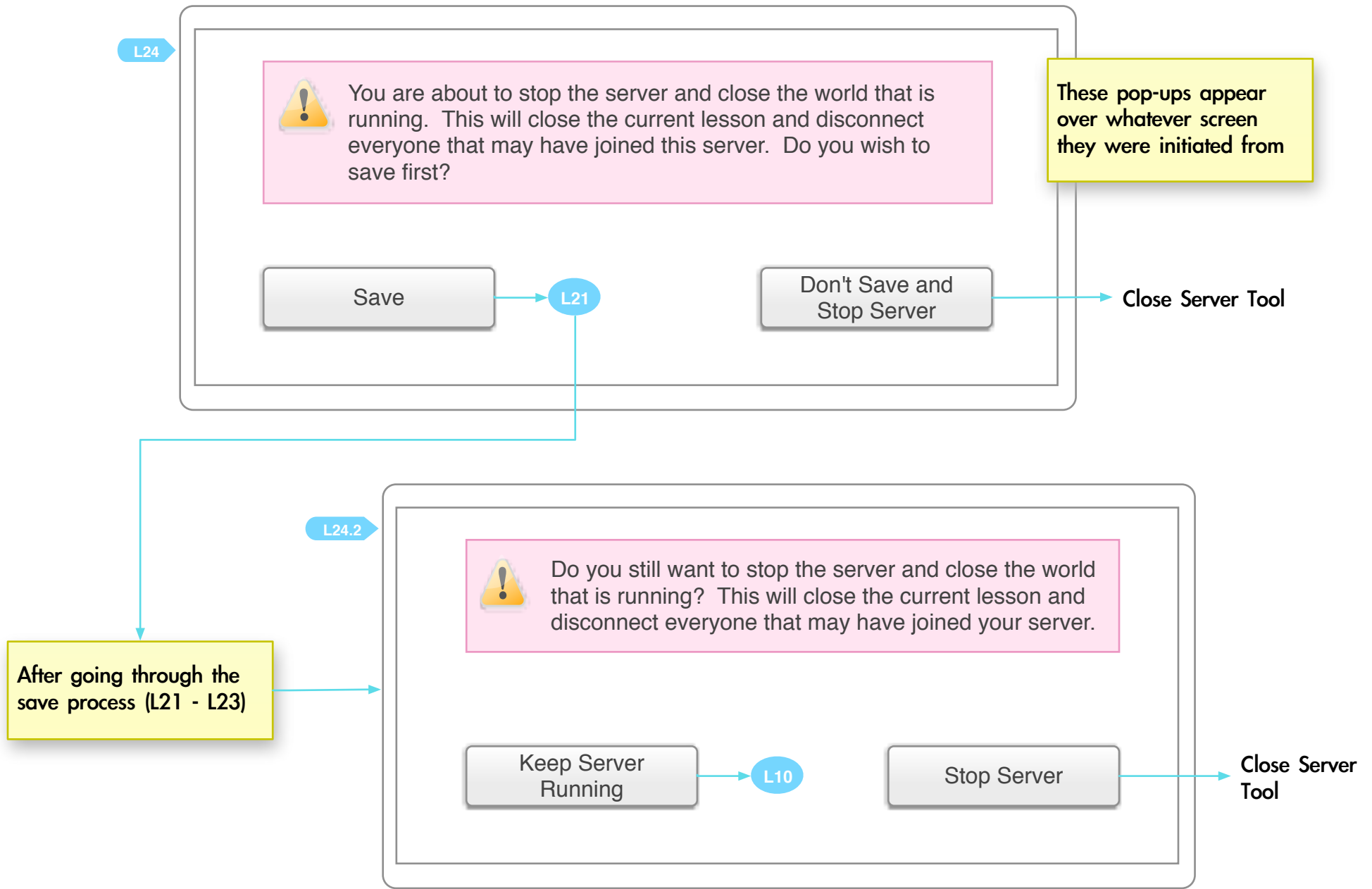
Save A Copy of this
Lesson

L23.3

The original file will be kept and a version of the world as it is now will be saved. Your lesson plan and lesson description will also be saved.



These pop-ups appear over whatever screen they were initiated from



L26

Load a Saved Lesson

File Open Settings Change Language


Select Lesson:

| Subject | Lesson | My Rating | Created By |
|------------|--------|-----------|------------|
| Art | | | |
| Geography | | | |
| History | | | |
| Math | | | |
| Tutorial W | | | |

Description:


Overview and Objective:
What the purpose of the lesson is. What the students will learn / experience.
Can be freeform or creative in nature

Buttons: Start Server with Selected Lesson, More about the Selected Lesson, the Selected Lesson, Use Lessons Online, Create a New Lesson, Cancel

 Are you sure you want to delete the selected lesson? You cannot undo this action.

Buttons: Cancel, Delete

L26.2

 **The lesson has been deleted**

Button: Ok

L6