

Architects in Schools Sample Residency Planning Form

Grade Level: 3rd

Residency Info:

Residency Topic/Focus: Math, writing, unit studies

Residency Goals:

- Have the experience of learning from a professional in the field of architecture
- Have a meaningful, hands-on experience with STEM skills and concepts
- Apply math skills to real-world situations
- Apply writing skills when thinking about the client and its needs

Possible activities in support of residency goals:

- Architects in Schools Curriculum Guide lesson 2.9: How to Design a Functional Folder
- Architects in Schools Curriculum Guide lesson 4.39: Drawing a Floor Plan of Things That Don't Move
- Architects in Schools Curriculum Guide lesson 4.123: A Special Structure for a Special Client
- Field trip to Verde Village
- Writing activity with description of clients

Other resources you plan to use during your residency:

- Verde Village
 - Iggy Peck Architect (book)
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Session #1 Info:

Session #1 Date: January 16

Session #1 Time: 12:20-1:20pm

Session #1 Plan/Details:

Introduction:

- Design professionals intro into architecture: understand the needs of the client and examples of clients and needs.

Activity or Activities:

- Create a design of the classroom (drawing to scale, how to measure distances, how to add symbols, etc.)
- Architects in Schools Curriculum Guide lesson 4.39: Drawing a Floor Plan of Things That Don't Move

Architects in Schools

Sample Residency Planning Form

- Architects in Schools Curriculum Guide lesson 4.123: A Special Structure for a Special Client

Conclusion:

- Questions for design professionals

Materials needed for Session #1:

- 11x17 grid paper

Teacher follow-up before Session #2:

- Finish drawings
 - Students pick their special clients
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Session #2 Info:

Session #2 Date: January 30

Session #2 Time: 12:20-1:20pm

Session #2 Plan/Details:

Introduction:

- Design professionals intro with reminders of special clients they have served (Hospice and Fire Station). Students share with professionals the clients they have chosen.

Activity or Activities:

- Kids brainstorm ideas for their special client's home.
- Kids develop a program for the client and write a narrative describing the client and the special needs it has. The program and the narrative will be on the final project.

Conclusion:

- Questions for design professionals

Materials needed for Session #2:

- Program sheet for brainstorming (teachers to design)
- Hamburger paragraph graphic organizer
- Special client flipchart

Teacher follow-up before Session #3:

- Teachers will have students write a narrative about their client, adding fun details and descriptions
- Design professionals will make sure programs are complete before session 3

Architects in Schools

Sample Residency Planning Form

Session #3 Info:

Session #3 Date: February 13

Session #3 Time: 12:20-1:20pm

Session #3 Plan/Details:

Introduction:

- Students share ideas for their houses.
- Design professionals choose a special client and do an example drawing using the document camera.

Activity or Activities:

- Kids begin the drawings/plans for client's house. They are limited to three rooms (plus bathroom) plus one outdoor item, need to fill the space given, and use symbols from the toolkit or create new ones as needed.

Conclusion:

- Questions for design professionals

Materials needed for Session #3:

- 11x17 grid paper
- Document camera

Teacher follow-up before Session #4:

- Students to finish designs before session 4
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Session #4 Info:

Session #4 Date: February 20

Session #4 Time: 12:20-1:20pm

Session #4 Plan/Details:

Introduction:

- Students share their designs so far and ask questions as needed.

Activity or Activities:

Architects in Schools

Sample Residency Planning Form

- Kids build the walls of their client's houses, taking the plans from 2-D to 3-D. We will use card stock for the walls. Hopefully kids will have time to add 3-D furniture or landscaping outside the house.

Conclusion:

- Questions for design professionals

Materials needed for Session #4:

- Cardstock cut for walls

Teacher follow-up before Session #5:

- Students will find the area and perimeter of each room
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Session #5 Info:

Session #5 Date: March 6

Session #5 Time: 12:20-1:20pm

Session #5 Plan/Details:

Introduction:

- Students share their designs so far and ask questions as needed.

Activity or Activities:

- Kids build the walls of their client's houses, taking the plans from 2-D to 3-D. We will use card stock for the walls. Hopefully kids will have time to add 3-D furniture or landscaping outside the house.

Conclusion:

- Questions for design professionals

Materials needed for Session #5:

- Cardstock cut for walls
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Session #6 Info:

Session #6 Date: March 20

Session #6 Time: 12:20-1:20pm

Session #6 Plan/Details:

Architects in Schools

Sample Residency Planning Form

Introduction:

- Students share their designs so far and ask questions as needed.

Activity or Activities:

- Kids build the walls of their client's houses, taking the plans from 2-D to 3-D. We will use card stock for the walls. Hopefully kids will have time to add 3-D furniture or landscaping outside the house.

Conclusion:

- Questions for design professionals

Materials needed for Session #6:

- Cardstock cut for walls